Chapter 1: A Short Introduction to Reactive Programming

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
One
2
Three
Four
4.5
Five
6.0
Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
The number is Even
The number is Odd

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
Initial Out put with a = 15, b = 10
Add = 25
Substract = 5
Multiply = 150
Divide = 1.5
Enter a = <number> or b = <number> in separate lines exit to exit the program
a=21
Add = 31
Substract = 11
Multiply = 210
Divide = 2.1
b=40
Add = 61
Substract = -19
Multiply = 840
Divide = 0.525
exit
Process finished with exit code 0
```

Chapter 2: Functional Programming with Kotlin and RxKotlin

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
Sum 26
random output 24

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

1 Output 2

2 Output 6

3 Output 12

4 Output 20

5 Output 30

6 Output 42

7 Output 56

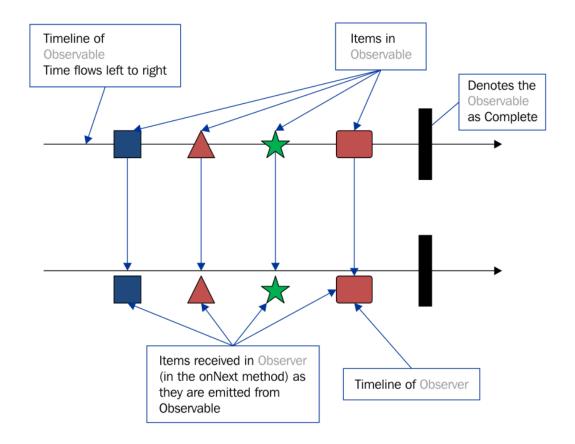
8 Output 72

9 Output 90

10 Output 110

Process finished with exit code 0
```

Chapter 3: Observables, Observers, and Subjects



```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

Subscribed to io.reactivex.internal.operators.observable.ObservableFromIterable$FromIterableDisposable$504bae78

Next One
Next 2

Next Three
Next Four
Next 4.5
Next Five
Next 6.0
All Completed

Subscribed to io.reactivex.internal.operators.observable.ObservableFromArray$FromArrayDisposable$484b61fc
Next [One, 2, Three, Four, 4.5, Five, 6.0]
Next [List with Single Item]
Next [1, 2, 3, 4, 5, 6]
All Completed

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

New Subscription

Next Emit 1

Next Emit 2

Next Emit 3

Next Emit 4

All Completed

New Subscription

Next Emit 1

Next Emit 2

Next Emit 2

Next Emit 3

Next Emit 4

Error Occured My Custom Exception

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

New Subscription
Next String 1
Next String 2
Next String 3
Next String 4
All Completed
New Subscription
Next From Callable
All Completed
New Subscription
Next Hello From Future
All Completed
Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

New Subscription

Next String 1

Next String 2

Next String 3

Next String 4

All Completed

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

New Subscription

Next A String
All Completed

New Subscription

Next 54

All Completed

New Subscription

Next [String 1, String 2, String 3, String 4]
All Completed

New Subscription

Next [Key 1=Value 1, Key 2=Value 2, Key 3=Value 3}
All Completed

New Subscription

Next [L, 2, 3, 4, 5, 6]
All Completed

New Subscription

Next [l, 2, 3, 4, 5, 6]
All Completed

New Subscription

Next String 1

Next String 2

Next String 2

Next String 3

All Completed

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

New Subscription

Next 1

Next 2

Next 3

Next 4

Next 5

Next 6

Next 7

Next 8

Next 9

Next 10

All Completed

New Subscription
All Completed

New Subscription
Next 0

Next 1

Next 2

Next 2

Next 2

Next 3

Next 0

All Completed

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Next 1
Next 2
Next 3
Next 4
Next 5
Done
New Subscription
Next 1
Next 2
Next 3
Next 4
Next 5
All Completed

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received String 1
Received String 3
Received String 4
Done
Received String 1
Received String 2
Received String 3
Received String 3
Received String 4
Done
Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Subscription 1: String 1

Subscription 2: 1 gnirtS

Subscription 1: String 2

Subscription 2: 2 gnirtS

Subscription 1: String 3

Subscription 2: 3 gnirtS

Subscription 1: String 4

Subscription 2: 4 gnirtS

Subscription 2: 4 gnirtS

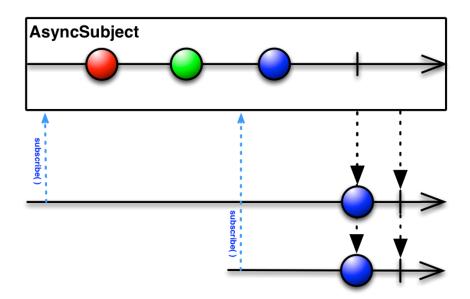
Subscription 2: 5 gnirtS

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...
Subscription 1: 0
Subscription 2 0
Subscription 2 1
Subscription 1: 2
Subscription 2 2
Subscription 2 3
Subscription 2 3
Subscription 2 4
Subscription 2 4
Subscription 2 5
Subscription 2 5
Subscription 2 5
Subscription 2 6
Subscription 3: 6
Subscription 3: 6
Subscription 3: 7
Subscription 3: 7
Subscription 1: 7
Subscription 2 8
Subscription 1: 8
Subscription 1: 9
Subscription 3: 10
Process finished with exit code 0
```

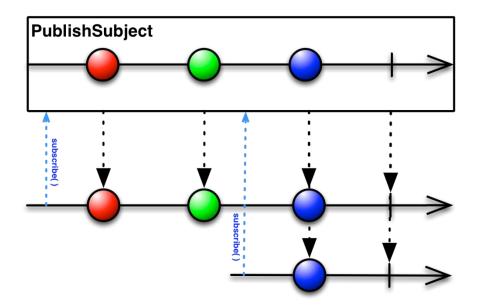
```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

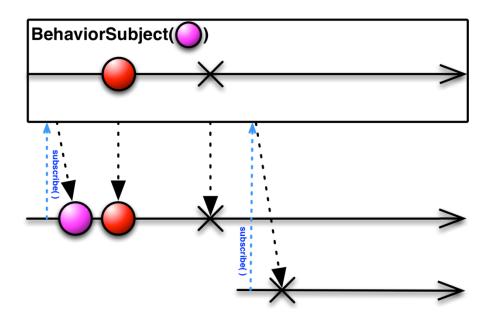
Received 0
Received 1
Received 2
Received 3
Received 4
Received 5
Received 6
Received 7
Received 8
Received 9
Received 10
```

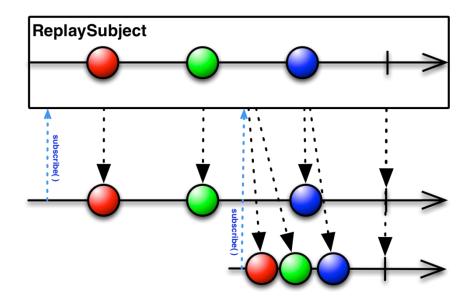


```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
S1 Received 5
S1 Complete
S2 Received 5
S2 Complete

Process finished with exit code 0
```







Chapter 4: Introduction to Backpressure and Flowables

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

Subs 1 Received 1

Subs 2 Received 2

Subs 2 Received 3

Subs 2 Received 4

Subs 2 Received 5

Subs 2 Received 6

Subs 2 Received 7

Subs 2 Received 8

Subs 2 Received 9

Subs 1 Received 2

Subs 1 Received 3

Subs 1 Received 4

Subs 1 Received 4

Subs 1 Received 5

Subs 1 Received 5

Subs 1 Received 5

Subs 1 Received 5

Subs 1 Received 6

Subs 1 Received 7

Subs 1 Received 9

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

MyItem Created 1

MyItem Created 2

MyItem Created 3

MyItem Created 5

MyItem Created 6

MyItem Created 7

MyItem Created 8

MyItem Created 9

Received MyItem(id=1)

Received MyItem(id=2)

Received MyItem(id=3)

Received MyItem(id=5)

Received MyItem(id=6)

Received MyItem(id=6)

Received MyItem(id=8)

Received MyItem(id=8)

Received MyItem(id=8)

Received MyItem(id=9)

Process finished with exit code 0
```

```
MyItem4(id=5); Received MyItem4(id=6); Received MyItem4(id=11); Received MyItem4(id=12);
```

```
"Cr\Frogram Files\Java\jdki.8.0_131\bin\java" ...
Wyltem Created 1
Wyltem Created 3
Wyltem Created 3
Wyltem Created 4
Wyltem Created 5
Wyltem Created 6
Wyltem Created 7
Wyltem Created 7
Wyltem Created 9
Wyltem Created 10
Wyltem Created 10
Wyltem Created 11
Wyltem Created 12
Wyltem Created 13
Wyltem Created 14
Wyltem Created 15
Subscriber received Wyltem6(id=1)
Subscriber received Wyltem6(id=3)
Subscriber received Wyltem6(id=5)
Requesting two more
Requesting two more
Requested Wyltem6(id=6)
Subscriber received Wyltem6(id=6)
```

```
"C:\Program Files\Java\jdkl.8.0_l3l\bin\java" ...

New Subscription

Next 1

Next 2

Next 3

Next 4

Next 5

Next 6

Next 7

Next 8

Next 9

Next 10

All Completed

Process finished with exit code 0
```

```
Mystem Created 110
Mystem Created 112
Mystem Created 112
Mystem Created 113
Mystem Created 113
Mystem Created 114
Mystem Created 115
Mystem Created 115
Mystem Created 116
Mystem Created 116
Mystem Created 116
Mystem Created 117
Mystem Created 117
Mystem Created 117
Mystem Created 118

io-reactives.ecoptions.OnServosionimplementedException: could not emit value due to lack of requests
at 10 reactives.internal.functions.PunctionsOcServosids.sup(Consumer.accept (Functions.assay)
at 10 reactives.internal.functions.PunctionsOcServosids.sup(Consumer.accept (Functions.assay)
at 10 reactives.internal.subscribers.LambdaSubscriber.onServosids.sup(Consumer.accept (Functions.assay)
at 10 reactives.internal.subscribers.LambdaSubscriber.onServosids.sup(Consumer.accept (Functions.assay)
at 10 reactives.internal.operators.flowable.flowable.Gobservosids.sup(Consumer.accept (Functions.assay))
at 10 reactives.internal.operators.flowable.flowable.flowable.goverosids.sup(Consumer.accept (Functions.assay))
at 10 reactives.internal.operators.flowable.flowable.flowable.goverosids.sup(Consumer.accept (Functions.assay))
at 10 reactives.internal.operators.flowable.flowable.flowable.goverosids.sup(Consumer.accept)
at 10 reactives.internal.acceptions.flowable.flowable.goverosids.sup(Consumer.accept)
at 10 reactives.internal.acceptions.flowable.flowable.colificated.sup(Consumer.acceptions.flowable.goverosids)
at 10 reactives.internal.acceptions.flowable.flowable.colificated.sup(Consumer.acceptions.flowable.goverosids)
at 10 reactives.internal.acceptions.flowable.flowable.goverosids.sup(Consumer.acceptions.flowable.goverosids)
at 10 reactives.internal.acceptions.flowable.flowable.goverosids.sup(Consumer.flowable.goverosids)
at 10 reactives.internal.operators.flowable.flowable.goverosids.flowable.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosids.goverosi
```

```
init 1; init 2; init 3; init 4; init 5; init 6; init 7; init 8; init 9; init 10; init 11; init 12; init 13; init 14; init 15; init 20; init 21; init 21; init 23; init 34; init 36; init 37; init 39; init 30; init 31; init 32; init 33; init 34; init 35; init 36; init 37; init 38; init 39; init 30; init 31; init 32; init 33; init 34; init 35; init 36; init 37; init 38; init 39; init 50; init 70; init 77; init 79; init 79; init 80; init 100; init
```

```
Wyltem Created 123
Wyltem Created 124
Wyltem Created 124
Wyltem Created 125
Wyltem Created 126
Wyltem Created 126
Wyltem Created 127
Wyltem Created 127
Wyltem Created 127
Wyltem Created 128
Wyltem Created 128

Wyltem Created 128

Wyltem Created 128

Wyltem Created 129

In reactivex.exceptions.OmErrorWorlmplementedException: Buffer is full

at 10.reactivex.exceptions.OmErrorWorlmplementedException: Buffer is full

at 10.reactivex.internal.functions.functions.offcrorWissingComaumer.accept (Functions.java:704)
at 10.reactivex.internal.functions.functions.offcrorWissingComaumer.accept (Functions.java:701)
at 10.reactivex.internal.subscribers.LambdaSubscriber.omFort(LambdaSubscriber.java:16)
at 10.reactivex.internal.operators.flowable.FlowableObserveComSubscriber.rum.psync.flowableObserveCom.java:207)
at 10.reactivex.internal.operators.flowable.FlowableObserveComSubscriber.rum.flowableObserveCom.java:176)
at 10.reactivex.internal.schedulers.ScheduledGunnable.scallComesacComerce.rum.flowableObserveCom.java:176)
at 10.reactivex.internal.schedulers.ScheduledGunnable.callComerce.rum.flowableObserveCom.java:180)
at 10.reactivex.internal.schedulers.scheduledGunnable.callComerce.scheduledGunnable.schedulerSubscriber.scheduledGunnable.callComerce.scheduledGunnable.schedulerSubscriber.scheduledGunnable.callComerce.scheduledGunnable.schedulerSubscriber.scheduledGunnable.callComerce.scheduledGunnable.schedulerSubscriber.scheduledGunnable.schedulerSubscriber.scheduledGunnable.schedulerSubscriber.scheduledGunnable.schedulerSubscriber.scheduledGunnable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.schedulerGuncersable.sch
```

```
init 1/ init 2/ init 3/ init 4/ init 5/ init 6/ init 7/ init 8/ init 9/ init 10/ init 11/ init 12/ init 13/ init 14/ init 15/ init 2/

**Cl6; init 17/ init 18/ init 19/ init 19/ init 30/ init 31/ init 32/ init 32/ init 23/ init 33/ init 34/

**Sl6; init 27/ init 28/ init 29/ init 30/ init 31/ init 32/ init 33/ init 34/ init 35/ init 36/ init 37/ init 2/

**Sl8; init 39/ init 40/ init 41/ init 42/ init 43/ init 43/ init 45/ init 46/ init 47/ init 48/ init 49/ init 52/

**Sl6; init 51/ init 52/ init 53/ init 54/ init 55/ init 56/ init 57/ init 59/ init 59/ init 69/ init 69/

**Cl6; init 51/ init 52/ init 63/ init 64/ init 65/ init 66/ init 67/ init 68/ init 69/ init 59/ init 59/ init 69/ init 77/ init 78/ init 78/ init 79/ init 89/ init 99/ init 10/ init 108/ i
```

```
Received Mylema (16-956)
Mylema Created 993
Mylema Created 994
Mylema Created 995
Mylema Created 996
Mylema Created 997
Mylema Created 999
Mylema (16-962)
Received Mylema (16-962)
Received Mylema (16-963)
Received Mylema (16-963)
Received Mylema (16-964)
Received Mylema (16-966)
Received Mylema (16-966)
Received Mylema (16-966)
Received Mylema (16-966)
Received Mylema (16-967)
Received Mylema (16-969)
Received Mylema (16-971)
Received Mylema (16-973)
Received Mylema (16-973)
Received Mylema (16-974)
Received Mylema (16-976)
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Subscription 1: String 1

Subscription 2: String 1

Subscription 1: String 2

Subscription 1: delay

Subscription 1: String 2

Subscription 2: String 3

Subscription 1: String 3

Subscription 1: String 3

Subscription 1: String 3

Subscription 1: String 4

Subscription 1: String 4

Subscription 1: String 4

Subscription 1: String 5

Subscription 1: String 5

Subscription 1: String 5

Subscription 2 String 5

Frocess finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
[11, 12, 13, 14, 15, 16, 17, 18, 19, 20]
[21, 22, 23, 24, 25, 26, 27, 28, 29, 30]
[31, 32, 33, 34, 35, 36, 37, 38, 39, 40]
[41, 42, 43, 44, 45, 46, 47, 48, 49, 50]
[51, 52, 53, 54, 55, 56, 57, 58, 59, 60]
[61, 62, 63, 64, 65, 66, 67, 68, 69, 70]
[71, 72, 73, 74, 75, 76, 77, 78, 79, 80]
[81, 82, 83, 84, 85, 86, 87, 88, 89, 90]
[91, 92, 93, 94, 95, 96, 97, 98, 99, 100]
[101, 102, 103, 104, 105, 106, 107, 108, 109, 110]
[111]
Process finished with exit code 0
```

```
"CAProgram Files/Marwajdki.8.0 131/bin/java" ...
Subscription 1 [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
Subscription 1 [16, 17, 18, 19, 20, 21, 22, 23, 24, 25]
Subscription 1 [31, 32, 33, 34, 35, 36, 37, 38, 39, 40]
Subscription 1 [61, 62, 63, 64, 65, 66, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 67, 68, 69, 79, 99, 99, 100]
Subscription 1 [10, 20, 33, 49, 55, 67, 68, 97, 98, 99, 100]
Subscription 1 [10, 107, 108, 109, 110, 111]
Subscription 2 [10, 107, 108, 109, 110, 111]
Subscription 2 [15, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22]
Subscription 2 [15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29]
Subscription 2 [22, 23, 24, 25, 26, 27, 22, 29, 30, 31, 32, 33, 34, 35, 36]
Subscription 2 [23, 23, 24, 25, 26, 27, 22, 29, 30, 31, 32, 33, 34, 35, 36]
Subscription 2 [36, 37, 38, 39, 40, 14, 42, 34, 44, 45, 46, 47, 48, 48, 50]
Subscription 2 [36, 37, 38, 38, 49, 14, 42, 34, 44, 45, 46, 47, 48, 48, 50]
Subscription 2 [50, 51, 52, 53, 54, 55, 56, 57, 88, 99, 60, 61, 62, 63, 64]
Subscription 2 [50, 51, 52, 53, 54, 55, 56, 57, 88, 99, 60, 61, 62, 63, 64]
Subscription 2 [67, 78, 69, 69, 60, 62, 63, 64, 65, 67, 68, 69, 70, 71]
Subscription 2 [71, 72, 73, 74, 75, 76, 77, 78, 79, 78, 79, 78, 79]
Subscription 2 [71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 90, 91, 92]
Subscription 2 [71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 90, 91, 92]
Subscription 2 [83, 66, 87, 88, 89, 99, 190, 100, 101, 102, 103, 104, 105, 106]
Subscription 2 [85, 86, 87, 88, 89, 99, 91, 91, 92, 39, 91, 90, 91, 92, 39, 91, 90, 91, 92, 39, 91, 90, 91, 92, 39, 91, 90, 91, 92, 91, 92, 91, 92, 91, 92, 91, 92, 91, 92, 91, 92, 91, 92, 91, 92, 91, 92, 91, 92, 91, 92, 91, 92, 91, 92, 91, 92, 91, 92, 91,
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...
[0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
[10, 11, 12, 13, 14, 15, 16, 17, 18, 19]
[20, 21, 22, 23, 24, 25, 26, 27, 28, 29]
[30, 31, 32, 33, 34, 35, 36, 37, 38, 39]
[40, 41, 42, 43, 44, 45, 46, 47, 48, 49]

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

[0, 1, 2]
[3, 4, 5]
[6, 7, 8, 9]
[10, 11, 12, 13]
[14, 15, 16]
[17, 18, 19]
[20, 21, 22, 23]
[24, 25, 26, 27]
[28, 29, 30]
[31, 32, 33, 34]
[35, 36, 37]
[38, 39, 40, 41]
[42, 43, 44]
[45, 46, 47, 48]

Process finished with exit code 0
```

```
1, 2, 3, 4, 5, 6, 7, 8, 9, 10,
11, 12, 13, 14, 15, 16, 17, 18, 19, 20,
21, 22, 23, 24, 25, 26, 27, 28, 29, 30,
31, 32, 33, 34, 35, 36, 37, 38, 39, 40,
41, 42, 43, 44, 45, 46, 47, 48, 49, 50,
51, 52, 53, 54, 55, 56, 57, 58, 59, 60,
61, 62, 63, 64, 65, 66, 67, 68, 69, 70,
71, 72, 73, 74, 75, 76, 77, 78, 79, 80,
81, 82, 83, 84, 85, 86, 87, 88, 89, 90,
91, 92, 93, 94, 95, 96, 97, 98, 99, 100,
101, 102, 103, 104, 105, 106, 107, 108, 109, 110,
111,
Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
0
3
5
7
Process finished with exit code 0
```

Chapter 5: Asynchronous Data Operators and Transformations

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...
Reactive
Reactive Programming
Reactive Programming in Kotlin

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

Received 1

Received 2

Received 3

Received 4

Received 5

Received 6

Received 7

Received 8

Received 9

Received 10

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

Received 1

Received 2

Received 3

Received 4

Received 5

Received 6

Received 7

Received 8

Received 9

Received 3

Received 10
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...
Received 6

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

Received 2
Received 4
Received 6
Received 8
Received 10
Received 12
Received 12
Received 14
Received 14
Received 16
Received 20

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
Received 1
Received 10
Received 2

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...
Completed

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

Received Transforming Int to String 10

Received Transforming Int to String 9

Received Transforming Int to String 8

Received Transforming Int to String 7

Received Transforming Int to String 6

Received Transforming Int to String 5

Received Transforming Int to String 4

Received Transforming Int to String 3

Received Transforming Int to String 2

Received Transforming Int to String 1

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

Received Transforming Int to String 10

Received Transforming Int to String 9

Received Transforming Int to String 8

Received Transforming Int to String 7

Received Transforming Int to String 6

Received Transforming Int to String 5

Received Transforming Int to String 4

Received Transforming Int to String 3

Received Transforming Int to String 2

Received Transforming Int to String 1
```

```
Received The Number 10
Received The Number 9
Received number%2 1
Received The Number 8
Received number/2 4
Received number $2 0
Received The Number 7
Received number/2 3
Received number $2 1
Received The Number 6
Received number/2 3
Received number%2 0
Received The Number 5
Received number/2 2
Received number%2 1
Received number/2 2
Received The Number 3
Received The Number 2
Received number $2 0
Received The Number 1
Received number/2 0
Received number%2 1
Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
Received 15

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received 11

Received 12

Received 13

Received 14

Received 15

Received 16

Received 17

Received 18

Received 19

Received 20

Process finished with exit code 0
```

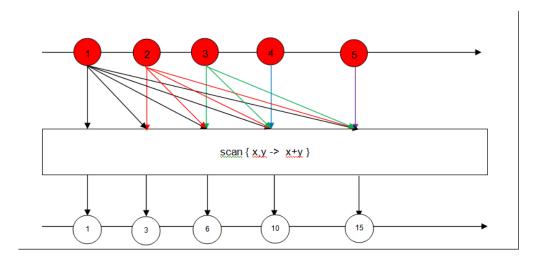
```
Received -1
Received 0
Received 1
Received 2
Received 3
Received 4
Received 5
Received 6
Received 7
Received 8
Received 9
Received Programming Languages
Received C
Received C++
Received Java
Received Kotlin
Received Scala
Received Groovy
```

```
Received 4
Received 9
Received alpha
Received beta
Received gamma
Received 8
Received 1
Received MyItem1(item=2)
Received MyItem1(item=8)
Received MyItem1(item=9)
Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received 1
Received 3
Received 6
Received 15
Received 21
Received 28
Received 36
Received 45
Received 55
Received 55
Received String 1
Received String 1 String 2
Received String 1 String 2 String 3
Received String 1 String 2 String 3
Received 1
Received 1
Received 12
Received 12
Received 123
Received 1234
Received 12345

Process finished with exit code 0
```



```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
count 11

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
accumulation 55
accumulation 12345

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_l3l\bin\java" ...

Next 1

Next 2

Next 3

Next 5

Next 6

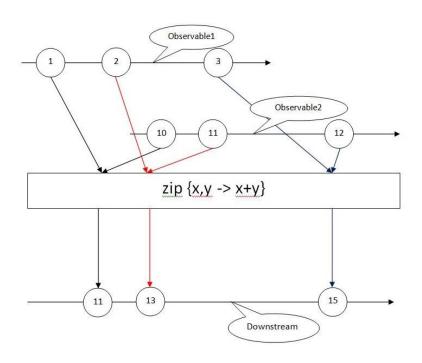
Next 7

Error java.lang.NumberFormatException: For input string: "Errr"

Process finished with exit code 0
```

Chapter 6: More on Operators and Error Handling

```
startWith Iterator
Received 2
Received 4
Received 5
Received 14
Received 1
Received 3
Received 5
Received 6
Received 8
Received 10
Received 12
```



```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received 12

Received 14

Received 16

Received 20

Received 22

Received 22

Received 24

Received 26

Received 28

Received 30

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received String 1 1

Received String 2 2

Received String 3 3

Received String 4 4

Received String 5 5

Received String 6 6

Received String 7 7

Received String 8 8

Received String 9 9

Received String 10 10

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received t1: 0, t2: 0

Received t1: 1, t2: 1

Received t1: 2, t2: 2

Received t1: 3, t2: 3

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received t1: 1, t2: 0

Received t1: 2, t2: 0

Received t1: 3, t2: 0

Received t1: 4, t2: 1

Received t1: 5, t2: 1

Received t1: 6, t2: 1

Received t1: 6, t2: 2

Received t1: 7, t2: 2

Received t1: 8, t2: 2

Received t1: 9, t2: 3

Received t1: 10, t2: 3

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received Kotlin

Received Scala

Received Groovy

Received Python

Received Java

Received C++

Received C

Process finished with exit code 0
```

```
"C:\Frogram Files\Java\jdk1.8.0_131\bin\java" ...

Received Observable 2 0

Received Observable 2 1

Received Observable 2 2

Received Observable 1 0

Received Observable 2 4

Received Observable 2 5

Received Observable 2 6

Received Observable 2 7

Received Observable 2 8

Received Observable 2 9

Received Observable 1 1

Received Observable 2 10

Received Observable 2 11

Received Observable 2 12

Received Observable 2 12

Received Observable 2 12

Received Observable 2 12

Received Observable 2 14

Received Observable 1 2

Process finished with exit code 0
```

```
Received A
Received B
Received C
Received D
Received E
Received F
Received G
Received J
Received K
Received L
Received M
Received N
Received 0
Received P
Received Q
Received R
Received S
Received T
Received U
Received W
Received X
Received Z
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received Kotlin

Received Scala

Received Groovy

Received Python

Received Java

Received C++

Received C

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
Received Observable 1 0
Received Observable 1 1
Received Observable 2 0
Received Observable 2 1
Received Observable 2 2
Received Observable 2 3
Received Observable 2 4

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received Observable 2 0

Received Observable 2 1

Received Observable 2 2

Received Observable 2 3

Received Observable 2 4

Received Observable 2 5

Received Observable 2 6

Received Observable 2 7

Received Observable 2 8

Received Observable 2 9

Received Observable 2 10

Received Observable 2 11

Received Observable 2 12

Received Observable 2 13

Received Observable 2 14

Received Observable 2 15

Process finished with exit code 0
```

```
Received 11
Received 21
Received 26
Received 7
Received 17
Received 22
Received 13
Received 18
Received 23
Received 28
Received 9
Received 14
Received 24
Received 20
Received 25
Received 30
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
Received 2
Received 5
Received 6
Received 1
Received 4
Received 9
Received 8
Received 3
Received 7
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received 1

Received 2

Received 3

Received 4

Received 5

Received 6

Received 7

Received 8

Received 9

Received 10

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
Without delay
Received 1
Received 2
Received 3
Received 4
Received 5
Received 6
Received 7
Received 8
Received 9
Received 10
With delay
Received 10
Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
Received 3
Received 6
Received 9
Received 10
Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...
starting skip(count)
Received 6
Received 7
Received 8
Received 9
Received 10
Received 11
Received 12
Received 13
Received 14
Received 15
Received 16
Received 17
Received 18
Received 19
Received 20
Complete
starting skip(time)
Received 4
Received 5
Received 6
Received 7
Received 8
Received 9
Process finished with exit code 0
```

```
starting skipLast(count)
Received 1
Received 3
Received 4
Received 5
Received 6
Received 7
Received 8
Received 9
Received 10
Received 11
Received 12
Received 13
Received 14
Received 15
Complete
Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...
starting skipWhile
Received 10
Received 11
Received 12
Received 13
Received 14
Received 15
Received 16
Received 17
Received 18
Received 19
Received 20
Complete

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
starting skipUntil
Received 5
Received 6
Received 7
Received 8
Received 9
Received 10
Received 11
Received 12
Received 13
Received 14

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...
starting skip(count)
Received 1
Received 2
Received 3
Received 5
Complete
starting skip(time)
Received 0
Received 1
Received 2
Received 3
Complete
Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...
starting skipLast(count)
Received 16
Received 17
Received 18
Received 19
Received 20
Complete

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...
starting skipWhile
Received 1
Received 2
Received 3
Received 4
Received 5
Received 6
Received 7
Received 8
Received 9
Complete

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received 0

io.reactivex.exceptions.OnErrorNotImplementedException: / by zero

Received 2

at io.reactivex.internal.functions.Functions\OnErrorNissingConsumer.accept(Functions.java:704)

at io.reactivex.internal.functions.Functions\OnErrorNissingConsumer.accept(Functions.java:701)

at io.reactivex.internal.observers.LambdaObserver.onError(LambdaObserver.java:74)

at io.reactivex.internal.observers.BasicFuseableObserver.fair(RambdaObserver.java:74)

at io.reactivex.internal.observers.BasicFuseableObserver.fair(RambdaObserver.java:100)

at io.reactivex.internal.operators.observable.ObservableMapsMapObserver.onNext(ObservableMap.java:61)

at io.reactivex.internal.operators.observable.ObservableFromArray\StromArray\StromArrayDisposable.run(ObservableFromArray.java:107)

at io.reactivex.internal.operators.observable.ObservableFromArray.subscribeActual(ObservableFromArray.java:36)

at io.reactivex.observable.subscribe(Observable.java:10842)

at io.reactivex.observable.subscribe(Observable.java:10842)

at io.reactivex.Observable.subscribe(Observable.java:10828)

at io.reactivex.Observable.subscribe(Observable.java:10828)

at io.reactivex.Observable.subscribe(Observable.java:10731)

at com.rivuchk.packtpub.reactivekotlin.chapter6.Chapter6_17kt.main(chapter6_17.kt:8)

Caused by: java.lang.ArithmeticException: / by zero

at com.rivuchk.packtpub.reactivekotlin.chapter6.Chapter6_17ktSmainS1.apply(chapter6_17.kt:7)

at com.rivuchk.packtpub.reactivekotlin.chapter6.Chapter6_17ktSmainS1.apply(chapter6_17.kt)

at io.reactivex.internal.operators.observable.ObservableMapSMapObserver.onNext(ObservableMap.java:59)

... 8 more

Exception in thread "main" io.reactivex.exceptions.OnErrorNotImplementedException: / by zero
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received 0

Received 2

Received -1

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received 0

Received 2

Received 10

Received 11

Received 12

Received 13

Received 14

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Received 0
Received 2
Received 0
Received 2
Received 0
Received 2
Error

With Predicate

Received 0
Received 2
Received 0
Received 2
Error

With Predicate

Process finished with exit code 0
```

Chapter 7: Concurrency and Parallel Processing in RxKotlin with Schedulers

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
Observable1 Item Received 1
Observable1 Item Received 2
Observable1 Item Received 3
Observable1 Item Received 4
Observable1 Item Received 5
Observable1 Item Received 6
Observable1 Item Received 7
Observable1 Item Received 8
Observable1 Item Received 9
Observable1 Item Received 10
Observable2 Item Received 21
Observable2 Item Received 22
Observable2 Item Received 23
Observable2 Item Received 24
Observable2 Item Received 25
Observable2 Item Received 26
Observable2 Item Received 27
Observable2 Item Received 27
Observable2 Item Received 28
Observable2 Item Received 29
Observable2 Item Received 29
Observable2 Item Received 30
Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Observable2 Item Received 21

Observable1 Item Received 1

Observable2 Item Received 22

Observable1 Item Received 23

Observable1 Item Received 2

Observable2 Item Received 25

Observable2 Item Received 3

Observable1 Item Received 3

Observable1 Item Received 26

Observable2 Item Received 27

Observable1 Item Received 4

Observable2 Item Received 4

Observable2 Item Received 29

Observable1 Item Received 29

Observable1 Item Received 5

Observable1 Item Received 6

Observable1 Item Received 6

Observable1 Item Received 7

Observable1 Item Received 8

Observable1 Item Received 9

Observable1 Item Received 9

Observable1 Item Received 10
```

```
Blocking Thread 1
Observable1 Item Received 1
Blocking Thread 2
Observable1 Item Received 2
Blocking Thread 4
Blocking Thread 5
Blocking Thread 7
Blocking Thread 8
Observable1 Item Received 5
Blocking Thread 9
Blocking Thread 10
Observable1 Item Received 6
Observable1 Item Received 7
Observable1 Item Received 9
Observable1 Item Received 10
Observable2 Item Received 21
Observable2 Item Received 22
Observable2 Item Received 26
Observable2 Item Received 27
Observable2 Item Received 29
```

```
Observable1 Item Received 1
Observable1 Item Received 3
Observable1 Item Received 7
Observable1 Item Received 8
Observable1 Item Received 9
Observable2 Item Received 21
Observable2 Item Received 26
Observable2 Item Received 27
Observable2 Item Received 29
Observable2 Item Received 30
Blocking Thread 1
Blocking Thread 3
Blocking Thread 5
Blocking Thread 6
Blocking Thread 7
Blocking Thread 9
Blocking Thread 10
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Observable2 Item Received 21 - pool-1-thread-2
Observable1 Item Received 1 - pool-1-thread-1
Observable2 Item Received 22 - pool-1-thread-2
Observable2 Item Received 23 - pool-1-thread-2
Observable1 Item Received 2 - pool-1-thread-1
Observable2 Item Received 24 - pool-1-thread-2
Observable2 Item Received 25 - pool-1-thread-2
Observable1 Item Received 3 - pool-1-thread-2
Observable2 Item Received 26 - pool-1-thread-1
Observable2 Item Received 27 - pool-1-thread-2
Observable1 Item Received 4 - pool-1-thread-2
Observable2 Item Received 28 - pool-1-thread-2
Observable2 Item Received 29 - pool-1-thread-2
Observable2 Item Received 5 - pool-1-thread-2
Observable3 Item Received 50 - pool-1-thread-2
Observable4 Item Received 51 - pool-1-thread-2
Observable5 Item Received 52 - pool-1-thread-2
Observable6 Item Received 52 - pool-1-thread-2
Observable7 Item Received 53 - pool-1-thread-2
Observable8 Item Received 54 - pool-1-thread-2
Observable8 Item Received 55 - pool-1-thread-2
Observable9 Item Received 56 - pool-1-thread-1
Observable8 Item Received 57 - pool-1-thread-2
Observable9 Item Received 56 - pool-1-thread-1
Observable8 Item Received 57 - pool-1-thread-2
Observable9 Item Received 57 - pool-1-thread-2
Observable8 Item Received 57 - pool-1-thread-2
Observable9 Item Received 58 - pool-1-thread-2
Observable9 Item Received 59 - pool-1-thread-2
Observable9 Item Received 60 - pool-1-thread-2
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Mapping 1 - main

Received 1 - main

Mapping 2 - main

Received 2 - main

Mapping 3 - main

Received 3 - main

Mapping 4 - main

Received 4 - main

Mapping 5 - main

Received 5 - main

Mapping 6 - main

Received 6 - main

Mapping 7 - main

Received 7 - main

Received 8 - main

Mapping 9 - main

Received 9 - main

Received 9 - main

Received 10 - main
```

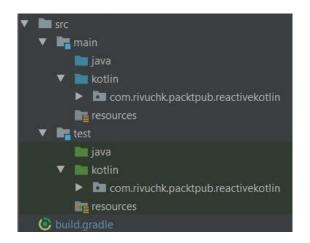
```
Mapping 1 - RxComputationThreadPool-1
Received 1 - RxComputationThreadPool-1
Mapping 2 - RxComputationThreadPool-1
Received 2 - RxComputationThreadPool-1
Mapping 3 - RxComputationThreadPool-1
Received 3 - RxComputationThreadPool-1
Mapping 4 - RxComputationThreadPool-1
Received 4 - RxComputationThreadPool-1
Mapping 5 - RxComputationThreadPool-1
Received 5 - RxComputationThreadPool-1
Mapping 6 - RxComputationThreadPool-1
Received 6 - RxComputationThreadPool-1
Mapping 7 - RxComputationThreadPool-1
Received 7 - RxComputationThreadPool-1
Mapping 8 - RxComputationThreadPool-1
Received 8 - RxComputationThreadPool-1
Mapping 9 - RxComputationThreadPool-1
Received 9 - RxComputationThreadPool-1
Mapping 10 - RxComputationThreadPool-1
Received 10 - RxComputationThreadPool-1
```

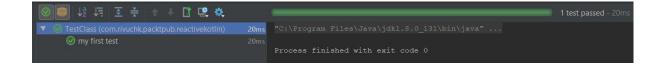
Process finished with exit code 0

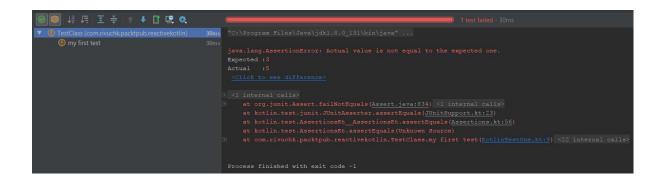
```
Mapping 1 - RxComputationThreadPool-1
Mapping 2 - RxComputationThreadPool-1
Mapping 3 - RxComputationThreadPool-1
Mapping 4 - RxComputationThreadPool-1
Mapping 5 - RxComputationThreadPool-1
Mapping 6 - RxComputationThreadPool-1
Mapping 7 - RxComputationThreadPool-1
Mapping 8 - RxComputationThreadPool-1
Mapping 9 - RxComputationThreadPool-1
Mapping 10 - RxComputationThreadPool-1
Received 1 - RxCachedThreadScheduler-1
Received 2 - RxCachedThreadScheduler-1
Received 3 - RxCachedThreadScheduler-1
Received 4 - RxCachedThreadScheduler-1
Received 5 - RxCachedThreadScheduler-1
Received 6 - RxCachedThreadScheduler-1
Received 7 - RxCachedThreadScheduler-1
Received 8 - RxCachedThreadScheduler-1
Received 9 - RxCachedThreadScheduler-1
Received 10 - RxCachedThreadScheduler-1
```

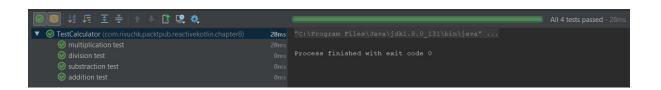
```
Mapping 1 - RxComputationThreadPool-1
Mapping 2 - RxComputationThreadPool-1
Mapping 3 - RxComputationThreadPool-1
Mapping 4 - RxComputationThreadPool-1
Mapping 5 - RxComputationThreadPool-1
Mapping 6 - RxComputationThreadPool-1
Mapping 7 - RxComputationThreadPool-1
Mapping 8 - RxComputationThreadPool-1
Mapping 9 - RxComputationThreadPool-1
Mapping 10 - RxComputationThreadPool-1
Received 1 - RxCachedThreadScheduler-1
Received 2 - RxCachedThreadScheduler-1
Received 3 - RxCachedThreadScheduler-1
Received 4 - RxCachedThreadScheduler-1
Received 5 - RxCachedThreadScheduler-1
Received 6 - RxCachedThreadScheduler-1
Received 7 - RxCachedThreadScheduler-1
Received 8 - RxCachedThreadScheduler-1
Received 9 - RxCachedThreadScheduler-1
Received 10 - RxCachedThreadScheduler-1
Process finished with exit code 0
```

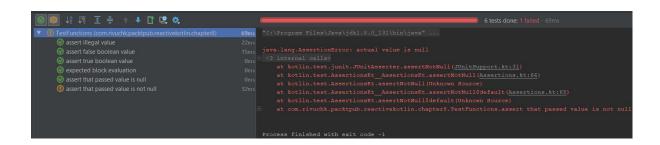
Chapter 8: Testing RxKotlin Applications



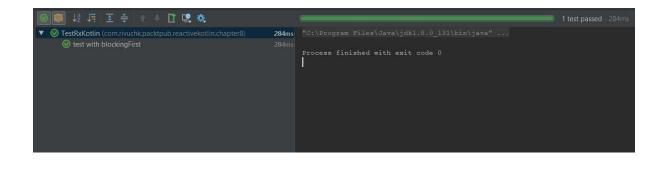


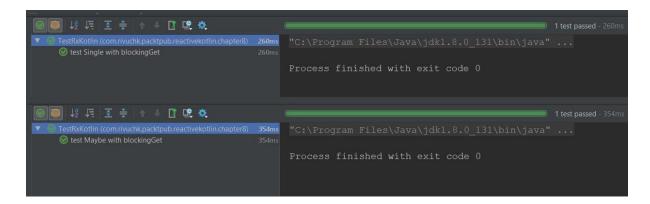


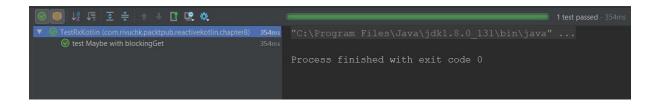


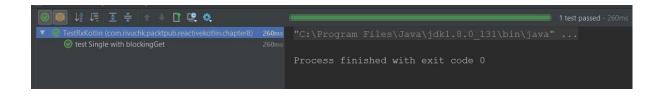


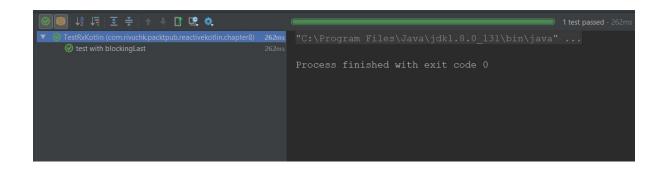


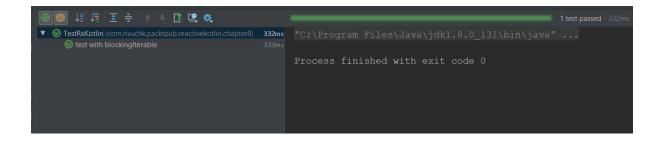












Chapter 9: Resource Management and Extending RxKotlin



```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
Resource Created
Resource Data Hello World
Resource Closed

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

Next (1, 10)

Next (2, 11)

Next (3, 12)

Next (4, 13)

Next (5, 14)

Next (6, 15)

Next (7, 16)

Next (8, 17)

Next (9, 18)

Next (10, 19)

Next (11, 20)

Next (12, 21)

Next (13, 22)

Next (14, 23)

Next (15, 24)

Next (16, 25)

Next (17, 26)

Next (18, 27)

Next (19, 28)

Next (20, 29)

Completed

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdkl.8.0_131\bin\java" ...

Next (1, Reactive)

Next (2, Programming)

Next (3, in)

Next (4, Kotlin)

Next (5, by Rivu Chakraborty)

Next (6, Packt)

Completed

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

map - RxComputationThreadPool-1 1

map - RxComputationThreadPool-1 2

map - RxComputationThreadPool-1 3

map - RxComputationThreadPool-1 4

map - RxComputationThreadPool-1 5

map - RxComputationThreadPool-1 6

map - RxComputationThreadPool-1 7

map - RxComputationThreadPool-1 8

map - RxComputationThreadPool-1 9

map - RxComputationThreadPool-1 10

onNext - RxCachedThreadScheduler-1 1

onNext - RxCachedThreadScheduler-1 2

onNext - RxCachedThreadScheduler-1 3

onNext - RxCachedThreadScheduler-1 4

onNext - RxCachedThreadScheduler-1 5

onNext - RxCachedThreadScheduler-1 6

onNext - RxCachedThreadScheduler-1 7

onNext - RxCachedThreadScheduler-1 8

onNext - RxCachedThreadScheduler-1 9

onNext - RxCachedThreadScheduler-1 10

Process finished with exit code 0
```

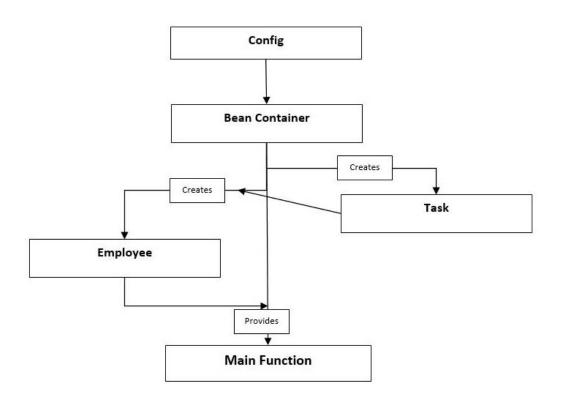
```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

Process finished with exit code 0
```

Chapter 10: Introduction to Web Programming with Spring for Kotlin Developers

"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
Executing Random Task

Process finished with exit code 0



"C:\Program Files\Java\jdk1.8.0_131
Nov 19, 2017 11:19:49 PM org.spring
INFO: Refreshing org.springframework
Nov 19, 2017 11:19:49 PM org.spring
INFO: Loading XML bean definitions
Nov 19, 2017 11:19:50 PM org.spring
INFO: Closing org.springframework.c
Writing Programms

Process finished with exit code 0

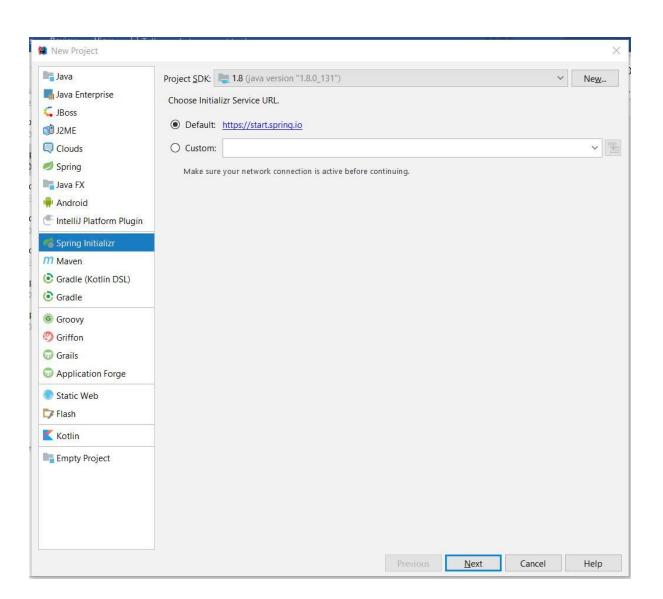


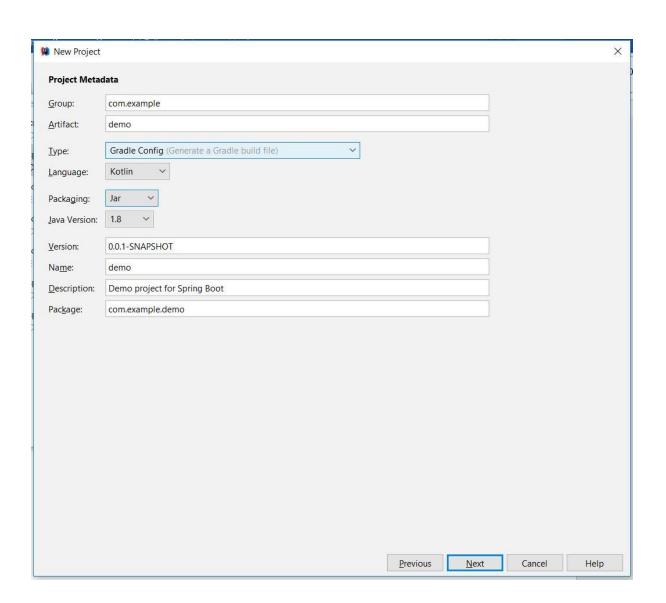
"C:\Program Files\Java\jdk1.8.0_131\l
Nov 20, 2017 6:06:40 AM org.springfra
INFO: Refreshing org.springframework.
Performing Assignment One
Performing Assignment Two
Performing Assignment Three
Nov 20, 2017 6:06:42 AM org.springfra
INFO: Closing org.springframework.com
Process finished with exit code 0

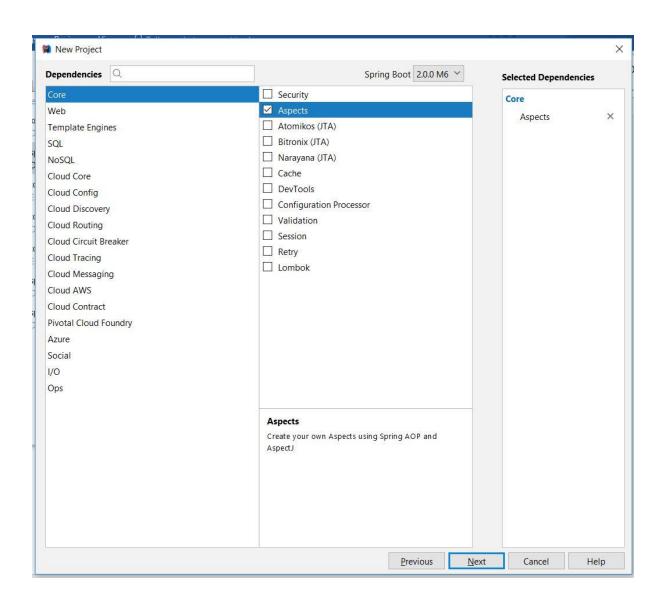
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...

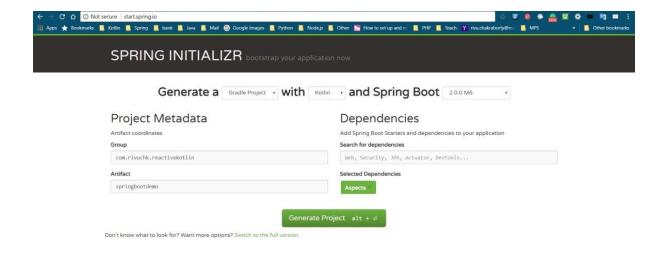
Nov 21, 2017 7:57:05 AM org.springframework.contex
INFO: Refreshing org.springframework.context.suppo
Nov 21, 2017 7:57:05 AM org.springframework.beans.
INFO: Loading XML bean definitions from class path
Nov 21, 2017 7:57:07 AM org.springframework.aop.fr
INFO: Final method [public final com.rivuchk.react
Performing Assignment One
This assignment is evaluated and given 5 points
Performing Assignment Two
This assignment is evaluated and given 0 points
Performing Assignment Three
This assignment is evaluated and given 9 points
Nov 21, 2017 7:57:08 AM org.springframework.contex
INFO: Closing org.springframework.context.support.

Process finished with exit code 0









start.spring.io is powered by Spring Initializr and Pivotal Web Service



{"id":1, "todoDescription": "TODO Project", "todoTargetDate": "31/11/2017", "status": "Running"}

Chapter 11: REST API with Spring JPA and Hibernate

```
POST V http://localhost:8080/api/add_todo

Authorization Headers (1) Body Pre-request Script Tests

Code

form-data x-www-form-urlencoded raw binary JSON (application/json) V

1 * {\text{"todoDescription": "Added 8", 2 "todoTargetDate": "2018/02/28", 3 "status": "due"}}
```

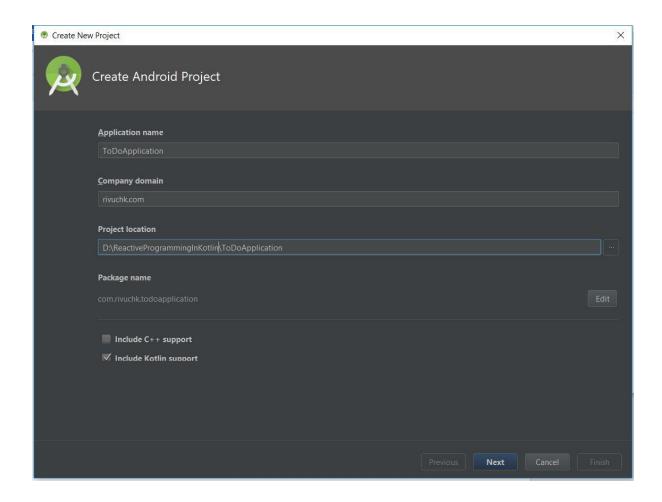
```
"C:\Program Files\Java\jdk1.8.0_131\bin\java" ...
[DEBUG] (main) Using Console logging
Got Next Item 1
Got Next Item 2
Got Next Item 3

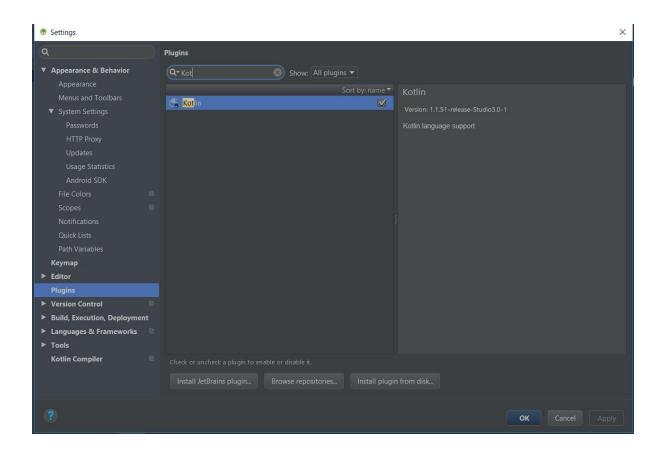
Process finished with exit code 0
```

```
[DEBUG] (main) Using Console logging
[INFO] (main) onSubscribe([Fuseable] Operators.EmptySubscription)
[INFO] (main) request (unbounded)
[INFO] (main) onComplete()
[INFO] (main) onSubscribe([Fuseable] Operators.EmptySubscription)
[INFO] (main) request (unbounded)
[INFO] (main) onComplete()
[INFO] (main) | onSubscribe([Synchronous Fuseable] Operators.ScalarSubscription)
[INFO] (main) | request (unbounded)
[INFO] (main) | onNext(A String)
[OST A String
[INFO] (main) | onComplete()
[INFO] (main) | onSubscribe([Synchronous Fuseable] Operators.ScalarSubscription)
[INFO] (main) | request (unbounded)
[INFO] (main) | request (unbounded)
[INFO] (main) | onNext(Another String)
[OST Another String
[INFO] (main) | onNext (Another String)
[INFO] (main) | onComplete()

Process finished with exit code 0
```

Chapter 12: Reactive Kotlin and Android

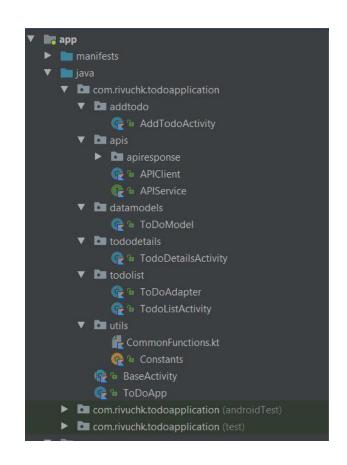


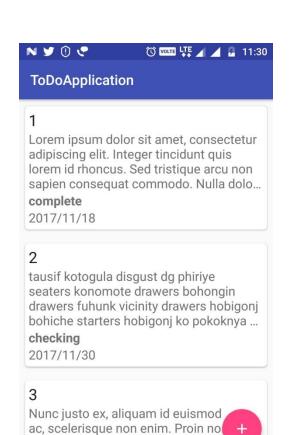


```
buildscript {
    ext.kotlin_version = '1.1.51'
    repositories {
        jcenter()
}

dependencies {
        classpath 'com.android.tools.build:gradle:3.0.0'
        classpath "org.jetbrains.kotlin:kotlin-gradle-plugin:$kotlin_version"

        // NOTE: Do not place your application dependencies here; they belong
        // in the individual module build.gradle files
}
```





imperdiet augue, vel rhoncus dolor.

0

 \triangleleft