

Kotlin

Solutions Case studies Docs API Community Teach Play

2.1.21 JVM Program arguments

Run main()

```
data class Event(
    val title: String,
    val description: String? = null,
    val daypart: Daypart,
    val durationInMinutes: Int,
)
val event1 = Event(title = "Wake up", description = "Time to get up", daypart = Daypart.MORNING, durationInMinutes = 0)
val event2 = Event(title = "Eat breakfast", daypart = Daypart.MORNING, durationInMinutes = 15)
val event3 = Event(title = "Learn about Kotlin", daypart = Daypart.AFTERNOON, durationInMinutes = 30)
val event4 = Event(title = "Practice Compose", daypart = Daypart.AFTERNOON, durationInMinutes = 60)
val event5 = Event(title = "Watch latest DevBytes video", daypart = Daypart.AFTERNOON, durationInMinutes = 10)
val event6 = Event(title = "Check out latest Android Jetpack library", daypart = Daypart.EVENING, durationInMinutes = 45)

val events = mutableListOf<Event>(event1, event2, event3, event4, event5, event6)
val shortEvents = events.filter { it.durationInMinutes < 60 }

println("You have ${shortEvents.size} short events.")

println(events)

val groupedEvents = events.groupBy { it.daypart }
groupedEvents.forEach { (daypart, events) ->
    println("$daypart: ${events.size} events")
}
println("Last event of the day: ${events.last().title}")

You have 5 short events.
[Event(title=Wake up, description=Time to get up, daypart=MORNING, durationInMinutes=0), Event(title=Eat breakfast, description=null, daypart=MORNING, durationInMinutes=15),
MORNING: 2 events
AFTERNOON: 3 events
EVENING: 1 events
Last event of the day: Check out latest Android Jetpack library
Duration of first event of the day: short
```

Kotlin

Solutions Case studies Docs API Community Teach Play

2.1.21 JVM Program arguments

Run main()

```
data class Event(
    val title: String,
    val description: String? = null,
    val daypart: Daypart,
    val durationInMinutes: Int,
)
val event1 = Event(title = "Wake up", description = "Time to get up", daypart = Daypart.MORNING, durationInMinutes = 0)
val event2 = Event(title = "Eat breakfast", daypart = Daypart.MORNING, durationInMinutes = 15)
val event3 = Event(title = "Learn about Kotlin", daypart = Daypart.AFTERNOON, durationInMinutes = 30)
val event4 = Event(title = "Practice Compose", daypart = Daypart.AFTERNOON, durationInMinutes = 60)
val event5 = Event(title = "Watch latest DevBytes video", daypart = Daypart.AFTERNOON, durationInMinutes = 10)
val event6 = Event(title = "Check out latest Android Jetpack library", daypart = Daypart.EVENING, durationInMinutes = 45)

val events = mutableListOf<Event>(event1, event2, event3, event4, event5, event6)
val shortEvents = events.filter { it.durationInMinutes < 60 }

println("You have ${shortEvents.size} short events.")

println(events)

val groupedEvents = events.groupBy { it.daypart }
groupedEvents.forEach { (daypart, events) ->
    println("$daypart: ${events.size} events")
}
println("Last event of the day: ${events.last().title}")

You have 5 short events.
[Event(title=Wake up, description=Time to get up, daypart=MORNING, durationInMinutes=0), Event(title=Eat breakfast, description=null, daypart=MORNING, durationInMinutes=15),
MORNING: 2 events
AFTERNOON: 3 events
EVENING: 1 events
Last event of the day: Check out latest Android Jetpack library
```

Kotlin

Solutions Case studies Docs API Community Teach Play

2.1.21 JVM Program arguments

Copy link Share code Run

```
data class Event(
    val title: String,
    val description: String? = null,
    val daypart: Daypart,
    val durationInMinutes: Int,
)
val event1 = Event(title = "Wake up", description = "Time to get up", daypart = Daypart.MORNING, durationInMinutes = 0)
val event2 = Event(title = "Eat breakfast", daypart = Daypart.MORNING, durationInMinutes = 15)
val event3 = Event(title = "Learn about Kotlin", daypart = Daypart.AFTERNOON, durationInMinutes = 30)
val event4 = Event(title = "Practice Compose", daypart = Daypart.AFTERNOON, durationInMinutes = 60)
val event5 = Event(title = "Watch latest DevBytes video", daypart = Daypart.AFTERNOON, durationInMinutes = 10)
val event6 = Event(title = "Check out latest Android Jetpack library", daypart = Daypart.EVENING, durationInMinutes = 45)

val events = mutableListOf<Event>(event1, event2, event3, event4, event5, event6)
val shortEvents = events.filter { it.durationInMinutes < 60 }

println("You have ${shortEvents.size} short events.")

println(events)

val groupedEvents = events.groupBy { it.daypart }
groupedEvents.forEach { (daypart, events) ->
    println("$daypart: ${events.size} events")
}
```

You have 5 short events.

[Event(title=Wake up, description=Time to get up, daypart=MORNING, durationInMinutes=0), Event(title=Eat breakfast, description=null, daypart=MORNING, durationInMinutes=15), Event(title=Learn about Kotlin, description=null, daypart=AFTERNOON, durationInMinutes=30), Event(title=Practice Compose, description=null, daypart=AFTERNOON, durationInMinutes=60), Event(title=Watch latest DevBytes video, description=null, daypart=AFTERNOON, durationInMinutes=10), Event(title=Check out latest Android Jetpack library, description=null, daypart=EVENING, durationInMinutes=45)]

MORNING: 2 events

AFTERNOON: 3 events

EVENING: 1 events

Download Android Studio & A... Lab Monitoring Week 6 - Unit 2 Practice Kotlin Play

Practice: Cl... Sign in

8. Task 3 Solution

val events = mutableListOf<

Kotlin

Solutions Case studies Docs API Community Teach Play

2.1.21 JVM Program arguments

Copy link Share code Run

```
enum class Daypart {
    MORNING,
    AFTERNOON,
    EVENING,
}

fun main(){

data class Event(
    val title: String,
    val description: String? = null,
    val daypart: Daypart,
    val durationInMinutes: Int,
)
val event1 = Event(title = "Wake up", description = "Time to get up", daypart = Daypart.MORNING, durationInMinutes = 0)
val event2 = Event(title = "Eat breakfast", daypart = Daypart.MORNING, durationInMinutes = 15)
val event3 = Event(title = "Learn about Kotlin", daypart = Daypart.AFTERNOON, durationInMinutes = 30)
val event4 = Event(title = "Practice Compose", daypart = Daypart.AFTERNOON, durationInMinutes = 60)
val event5 = Event(title = "Watch latest DevBytes video", daypart = Daypart.AFTERNOON, durationInMinutes = 10)
val event6 = Event(title = "Check out latest Android Jetpack library", daypart = Daypart.EVENING, durationInMinutes = 45)

val events = mutableListOf<Event>(event1, event2, event3, event4, event5, event6)
val shortEvents = events.filter { it.durationInMinutes < 60 }

println("You have ${shortEvents.size} short events.")

}
```

You have 5 short events.

[Event(title=Wake up, description=Time to get up, daypart=MORNING, durationInMinutes=0), Event(title=Eat breakfast, description=null, daypart=MORNING, durationInMinutes=15), Event(title=Learn about Kotlin, description=null, daypart=AFTERNOON, durationInMinutes=30), Event(title=Practice Compose, description=null, daypart=AFTERNOON, durationInMinutes=60), Event(title=Watch latest DevBytes video, description=null, daypart=AFTERNOON, durationInMinutes=10), Event(title=Check out latest Android Jetpack library, description=null, daypart=EVENING, durationInMinutes=45)]

Download Android Studio & A... Lab Monitoring Week 6 - Unit 2 Practice Kotlin Play

Practice: Cl... Sign in

10. Task 4 Solution

There are multiple ways this can be accomplished, and the following is what we decided.

Ba ck Eng lish Ne xt

Kotlin

Solutions Case studies Docs API Community Teach Play

2.1.21 JVM Program arguments

Copy link Share code Run

```
enum class Daypart {
    MORNING,
    AFTERNOON,
    EVENING,
}

fun main(){

data class Event(
    val title: String,
    val description: String? = null,
    val daypart: Daypart,
    val durationInMinutes: Int,
)
val event1 = Event(title = "Wake up", description = "Time to get up", daypart = Daypart.MORNING, durationInMinutes = 0)
val event2 = Event(title = "Eat breakfast", daypart = Daypart.MORNING, durationInMinutes = 15)
val event3 = Event(title = "Learn about Kotlin", daypart = Daypart.AFTERNOON, durationInMinutes = 30)
val event4 = Event(title = "Practice Compose", daypart = Daypart.AFTERNOON, durationInMinutes = 60)
val event5 = Event(title = "Watch latest DevBytes video", daypart = Daypart.AFTERNOON, durationInMinutes = 10)
val event6 = Event(title = "Check out latest Android Jetpack library", daypart = Daypart.EVENING, durationInMinutes = 45)

val events = mutableListOf<Event>(event1, event2, event3, event4, event5, event6)

println(events)
```

[Event(title=Wake up, description=Time to get up, daypart=MORNING, durationInMinutes=0), Event(title=Eat breakfast, description=null, daypart=MORNING, durationInMinutes=15), Event(title=Learn about Kotlin, description=null, daypart=AFTERNOON, durationInMinutes=30), Event(title=Practice Compose, description=null, daypart=AFTERNOON, durationInMinutes=60), Event(title=Watch latest DevBytes video, description=null, daypart=AFTERNOON, durationInMinutes=10), Event(title=Check out latest Android Jetpack library, description=null, daypart=EVENING, durationInMinutes=45)]