

Herencia_de_Clas

Version control

Project

Herencia_de_Clas

C:\Users\Y\Desktop\Tareas Kotlin\Herencia

.idea

out

src

ICancelableTravel

International

IPromotion

Main.kt

National

NationalLowSeason

Travel

.gitignore

Herencia_de_Clas.iml

External Libraries

Scratches and Consoles

Main.kt

NationalLowSeason.kt

IPromotion.kt

ICancelableTravel.kt

Travel.kt

International.kt

National.kt

```
1 package org.example.Class
2
3 class International(override val country: String, override val city: String) : Travel() {
4
5     // [4] Redefinido para obtener el precio de un viaje con impuesto incluido.
6     override fun getPrice(numDays: Int): Int {
7         val basePrice = getBasePrice(city)
8         val taxPercentage = getTaxPercentage(country)
9         if (basePrice == 0 || taxPercentage == 0) {
10             println("Lo sentimos, la ciudad o el pais seleccionados no son v\u00e1lidos.")
11             return 0
12         }
13         val totalPrice = basePrice * numDays * (1 + taxPercentage / 100.0)
14         return totalPrice.toInt()
15     }
16
17     // [2] Eliminado el quotePrice
18
19     private val cityCountryMap = mapOf(
20         "Munich" to "Alemania",
21         "Berlin" to "Alemania",
22         "Francfort" to "Alemania",
23         "Santiago" to "Chile",
24         "Valparaiso" to "Chile",
25         "Vancouver" to "Canad\u00e1",
26         "Ottawa" to "Canad\u00e1",
27         "Montreal" to "Canad\u00e1"
```

Run

MainKt

↑

↓

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↻

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🗑️

```
"C:\Program Files\Java\jdk-11\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2023.3.5\lib\idea_rt.jar=51885:C:\Program Files\JetBrains\IntelliJ IDEA 2023.3.5\bin" -Dfile.encoding=UTF-8 -classpath "C:\User
Tu viaje a CDMX, Mexico cuesta $2520
Lo sentimos, la ciudad o el pais seleccionados no son v\u00e1lidos.
Lo sentimos, no hacemos viajes a esta ciudad
Tu viaje a Munich, Alemania cuesta $7957
Tu viaje a Guadalajara, Mexico cuesta $1400

Process finished with exit code 0
```

Herencia_de_Clas

src

International

getBasePrice: Int

42:10

CRLF

UTF-8

4 spaces

Herencia_de_Clas

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```
1 package org.example.Class
2
3 open class National(override val city:String):Travel() {
4     override val country = "Mexico"
5
6     protected val fees = mapOf(
7         "Monterrey" to 400,
8         "Guadalajara" to 350,
9         "CDMX" to 300,
10        "San Cristóbal de las casas" to 240,
11        "San Miguel de Allende" to 320
12    )
13
14    override fun getPrice(numDays: Int): Int {
15        val fee = fees[city]
16        return if (fee==null) 0 else fee*numDays
17    }
18
19    // [2] Eliminado el quotePrice
20
21 }
```

Run

MainKt

```
"C:\Program Files\Java\jdk-11\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2023.3.5\lib\idea_rt.jar=51885:C:\Program Files\JetBrains\IntelliJ IDEA 2023.3.5\bin" -Dfile.encoding=UTF-8 -classpath "C:\User
Tu viaje a CDMX, Mexico cuesta $2520
Lo sentimos, la ciudad o el pais seleccionados no son válidos.
Lo sentimos, no hacemos viajes a esta ciudad
Tu viaje a Munich, Alemania cuesta $7957
Tu viaje a Guadalajara, Mexico cuesta $1400

Process finished with exit code 0
```

Herencia_de_Clas

src

National

fees

8:21 (11 chars)

CRLF

UTF-8

4 spaces

Herencia_de_Clas

Version control

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16

return

17

}

18

val amount = getPrice(numDays)

19

if(amount==0){

20

return

21

}

22

reserved = true

23

paidAmount = amount

24

println("***Viaje reservado exitosamente!

25

Pais: \$country

26

Ciudad: \$city

27

Precio: \$paidAmount***.trimMargin())

28

}

29

30

protected abstract fun getPrice(numDays: Int): Int

31

32

// [2] Implementacion de quotePrice en la clase abstracta

33

fun quotePrice(numDays: Int) {

34

val price = getPrice(numDays)

35

if(price==0){

36

println("Lo sentimos, no hacemos viajes a esta ciudad")

37

} else{

38

println("Tu viaje a \$city, \$country cuesta \\$\$price")

39

}

40

}

41

}

Run

MainKt

Run

Process finished with exit code 0

Herencia_de_Clas

src

Travel

quotePrice

32:11

CRLF

UTF-8

4 spaces

