

# Universidad Nacional Politécnica Departamento de Ciencia

# Ingeniería en Computación Programación móvil

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# 4- Codelabs: Functions vale 4 puntos

https://developer.android.com/codelabs/kotlin-bootcamp-functions

#### **Answer these questions**

#### Question 1

The contains(element: String) function returns true if the string element is contained in the string it's called on. What will be the output of the following code?

```
val decorations = listOf ("rock", "pagoda", "plastic plant", "alligator", "flowerpot")
```

println(decorations.filter {it.contains('p')})

[pagoda, plastic, plant]

[pagoda, plastic plant]

# [pagoda, plastic plant, flowerpot]

[rock, alligator]

#### **Question 2**

In the following function definition, which one of the parameters is required? fun shouldChangeWater (day: String, temperature: Int = 22, dirty: Int = 20, numDecorations: Int = 0): Boolean {...}

numDecorations

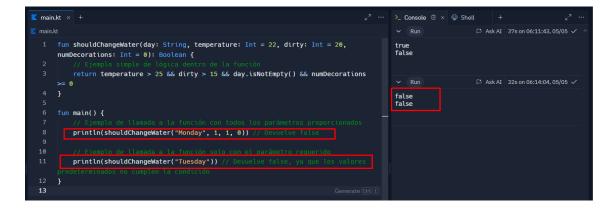
dirty

### day

### temperature



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### **Question 3**

You can pass a regular named function (not the result of calling it) to another function. How would you pass increaseDirty( start: Int ) = start + 1 to updateDirty(dirty: Int, operation: (Int) -> Int)?

updateDirty(15, &increaseDirty())

updateDirty(15, increaseDirty())

updateDirty(15, ("increaseDirty()"))

## updateDirty(15, ::increaseDirty)