

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

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)`