**Batch #13 / Android Class**

**Remote Learning Assignment - Week 1**

**1. Try the statements below in REPL. Please answer that there are correct or not and explain the reasons.**

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| --- | --- | --- |
|  |  | **Answer** |
| **a** | val id = 9527 | 正確 |
| **b** | var number : Int = 5.6 | 錯誤，已宣告變數為Int整數型態，但值卻是Double型態 |
| **c** | var title = "Hello Kotlin!" | 正確 |
| **d** | val content : String = null | 錯誤，應在型態後加上?，宣告其可為空的常數，正確答案為val content : String? = null |
| **e** | val number : Double? = 556.6 | 正確 |
| **f** | var list: List<String>? = listOf(null, null) | 錯誤，因為集合包含null，?應改在<>內型態後方，正確答案為var list: List<String?> = listOf(null, null) |
| **g** | var list: List<String?>? = listOf("Wayne", "Chen") | 正確 |
| **h** | list.size | 錯誤，前面已宣告List可能為空集合，因此應改為list?.size |
| **i** | list?.size | 正確 |

**2. Read the code below, choose the correct answer and explain the reason.**

Ans:變數message共包含39個字元長度，因此答案是c. "Your grace."

**3. Read the code below, choose the correct answer and explain the reason.**

Ans: d. val array = Array(6) { 1000.0.pow(it)

如下  
val array = Array(6) { 1000.0.pow(it) }

val units = arrayOf("byte", "KB", "MB", "GB",

"TB", "PB")

for ((i, value) in array.withIndex()) {

println("1 ${units[i]} = ${value.toLong()} bytes\n")

}

val array = Array(6) { 1000.0.pow(it) } : 宣告array為1000的0次方~5次方的陣列(共6個值)