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

a. val id = 9527

正確,自動判斷id為Int

b. var number : Int = 5.6

錯誤,Int是整數型態,要宣告number為Double或者刪除Int自動判斷

c. var title = "Hello Kotlin!"

正確,自動判斷title為String

d. val content : String = null

錯誤, 若content可能為null值,需要更改為String?

e. val number : Double? = 556.6

正確,number可能為null

f. var list: List<String>? = listOf (null, null)

錯誤,若list可能為null值,需要更改為String?

g. var list: List<String?>? = listOf ("Wayne", "Chen")

正確,如果list可能為null值,故須加?

h. list.size

正確,會計算出list有多少參數

i. list?.size

如果list有null值則正確,

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

c. "Your grace."

message的長度是39,所以條件符合in 1..39,會印出Your grace.

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

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

units陣列共有6個參數,所以array陣列輸入6,要印出輸出的值可以用pow次方的功能,其中it代表是Array每次的值,用withIndex函數可以同時傳回索引值跟值,所以第一輪跑出bytes跟1000的0次方,第二輪跑出KB跟1000的1次方,以此類推