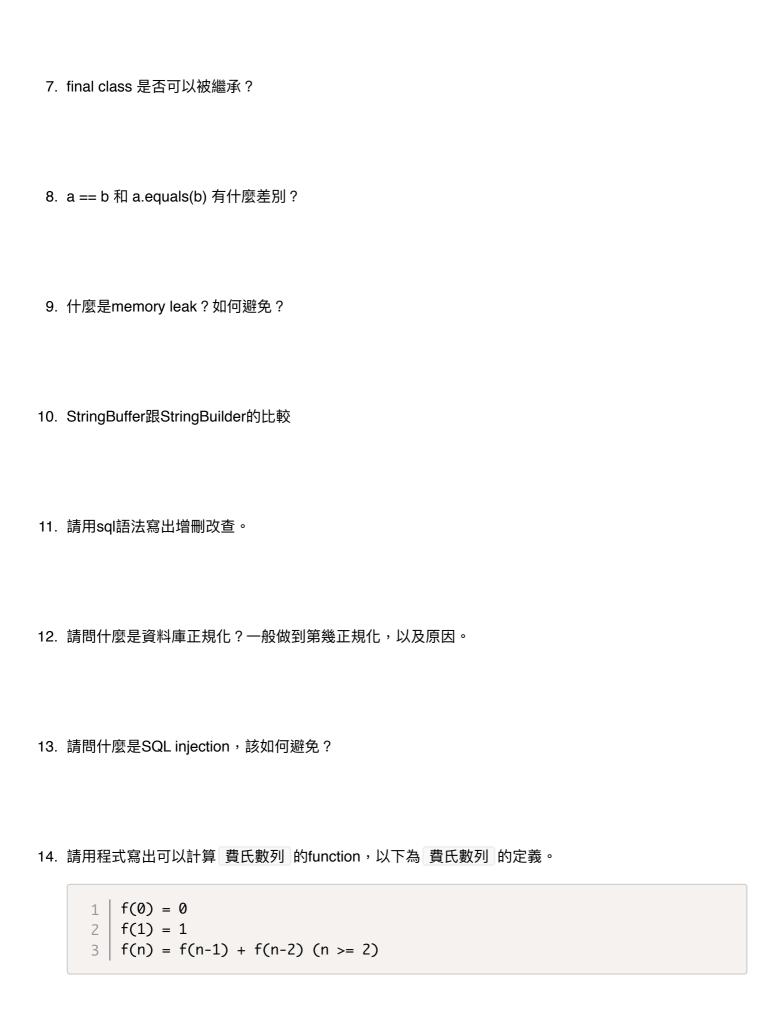
## 磊德資訊JAVA面試考題

6. 你知道哪些design pattern?試著寫出Singleton pattern。

	應試人:
	面試日期:
	主考官:
	分數:
考	<b>程</b>
1	. GC是什麼? 為什麼要有GC?
2	. abstract class和interface有什麼區別?
2	小面具不可繼承介面?协争叛具不可要理(implomente)介面?协争叛则具不可繼承审腆叛则(concrete
J	. 介面是否可繼承介面? 抽象類是否可實現(implements)介面? 抽象類別是否可繼承實體類別(concrete class)?
4	. 用最有效率的方法算出?
5	.什麼是call by value 和 call by reference。
J	. Traceon by value 和 can by reference



## 15. 試著用程式輸出一個九九乘法表,用以下的格式呈現。

```
1 | 1 * 1 = 1
                     2 * 1 = 2
                                     3 * 1 = 3
    1 * 2 = 2
                     2 * 2 = 4
                                     3 * 2 = 6
2
    1 * 3 = 3
                     2 * 3 = 6
                                     3 * 3 = 9
3
    1 * 4 = 4
                     2 * 4 = 8
                                     3 * 4 = 12
4
    1 * 5 = 5
                     2 * 5 = 10
                                     3 * 5 = 15
5
    1 * 6 = 6
                     2 * 6 = 12
                                     3 * 6 = 18
6
    1 * 7 = 7
                     2 * 7 = 14
                                     3 * 7 = 21
7
    1 * 8 = 8
                     2 * 8 = 16
                                     3 * 8 = 24
8
    1 * 9 = 9
                     2 * 9 = 18
                                     3 * 9 = 27
9
10
    4 * 1 = 4
                     5 * 1 = 5
                                     6 * 1 = 6
11
                     5 * 2 = 10
    4 * 2 = 8
                                     6 * 2 = 12
12
                     5 * 3 = 15
    4 * 3 = 12
                                     6 * 3 = 18
13
    4 * 4 = 16
                     5 * 4 = 20
                                     6 * 4 = 24
14
                     5 * 5 = 25
    4 * 5 = 20
                                     6 * 5 = 30
15
    4 * 6 = 24
                     5 * 6 = 30
                                     6 * 6 = 36
16
    4 * 7 = 28
                     5 * 7 = 35
                                     6 * 7 = 42
17
    4 * 8 = 32
                     5 * 8 = 40
                                     6 * 8 = 48
18
    4 * 9 = 36
                     5 * 9 = 45
                                     6 * 9 = 54
19
20
    7 * 1 = 7
                     8 * 1 = 8
                                     9 * 1 = 9
21
    7 * 2 = 14
                     8 * 2 = 16
                                     9 * 2 = 18
22
    7 * 3 = 21
                     8 * 3 = 24
                                     9 * 3 = 27
23
    7 * 4 = 28
                     8 * 4 = 32
                                     9 * 4 = 36
24
                     8 * 5 = 40
                                     9 * 5 = 45
    7 * 5 = 35
25
    7 * 6 = 42
                     8 * 6 = 48
                                     9 * 6 = 54
26
    7 * 7 = 49
                     8 * 7 = 56
                                     9 * 7 = 63
27
                     8 * 8 = 64
                                     9 * 8 = 72
    7 * 8 = 56
28
    7 * 9 = 63
                     8 * 9 = 72
                                     9 * 9 = 81
29
```

1的未排序的數列,裡面會有 −個最快又節省記憶體的方式	會缺少其中一個數字,例如