## HW0306

為什麼" for(double f=0.0;f<=0.3;f+=0.1)" 迴圈只會執行三次? 因為 double 的計算不夠精確,所以計算 0.0+0.1+0.1+0.1 不會等於 0,假設在下面做一組迴圈加法,並取小數後十位為答案,會發現 0.3 後的小數不全為 0,故 for(double f=0.0;f<=0.3;f+=0.1)" 迴圈只會執行三次

```
user@user-VirtualBox:~$ gcc hw0306.c
user@user-VirtualBox:~$ ./a.out
0.000000
0.100000
0.200000
0.00000000000000000000
0.10000000000000000555
0.20000000000000001110
0.30000000000000004441
0.40000000000000002220
0.50000000000000000000
0.599999999999997780
0.699999999999995559
0.799999999999993339
0.899999999999991118
0.999999999999988898
user@user-VirtualBox:~$
```