

HW0406

printf 和 scanf 的回傳值為何?

兩者各代表甚麼含意?

printf 回傳在括號內""裡的字數，包含空格和\n(算為 1);

scanf 回傳輸入的值是否為數字，若為數字則回傳 1，

若不是則回傳 0。

```
user@user-VirtualBox:~$ gcc hw0406.c
user@user-VirtualBox:~$ ./a.out
example 01
Please enter the input of printf:test
Please enter the input of scanf(3 word integer):567
-----
return of printf is 5
return of scanf is 1

example 02
Please enter the input of printf:test
Please enter the input of scanf(2 word integer):45
-----
return of printf is 4
return of scanf is 1

example 03
Please enter the input of printf: 234
Please enter the input of scanf(alphabet):i
-----
return of printf is 4
return of scanf is 0
```

```
int input;
int ReturnOfPrintf,ReturnOfScanf;
printf("example 01\n");
printf("Please enter the input of printf:");
ReturnOfPrintf=printf("test\n");
printf("Please enter the input of scanf(3 word integer):");
ReturnOfScanf=scanf("%d",&input);
printf("-----\n");
printf("return of printf is %d\n",ReturnOfPrintf);
printf("return of scanf is %d\n",ReturnOfScanf);
printf("\n");
```

(↑ example01: printf : test\n scanf : 3 位整數)

```

printf("example 02\n");
printf("Please enter the input of printf:");
ReturnOfPrintf=printf("test");
printf("\n");
printf("Please enter the input of scanf(2 word integer):");
ReturnOfScanf=scanf("%d",&input);
printf("-----\n");
printf("return of printf is %d\n",ReturnOfPrintf);
printf("return of scanf is %d\n",ReturnOfScanf);
printf("\n");

```

(↑ example02: printf : test scanf : 2 位整數)

```

printf("example 03\n");
printf("Please enter the input of printf:");
ReturnOfPrintf=printf(" 234");
printf("\n");
printf("Please enter the input of scanf(alphabet):");
ReturnOfScanf=scanf("%d",&input);
printf("-----\n");
printf("return of printf is %d\n",ReturnOfPrintf);
printf("return of scanf is %d\n",ReturnOfScanf);
printf("\n");

```

(↑ example03: printf : 234 scanf : 字母)