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= 定義

== 等於

取餘數的寫法

<pre>[1] x=17%5 print(x)</pre>	<pre>[5] x=20%7 print(x)</pre>	<pre>x=123456789%123 print(x)</pre>
2	6	90

寫入一個 txt 檔案

<pre>FW=open('SHM.txt','w') k=10 a=0 b=2 N=20 dx=(b-a)/N Lx=[] LU=[] S=0 for i in range (N+1): x=a+dx*i U=0.5*k*x**2 S+=U sd='{:4d} {:.10.3f} {:.10.3f} {:.10.3f}'.format(i,x,U,S) #print('{:4d} {:.10.3f} {:.10.3f} {:.10.3f}'.format(i,x,U,S)) FW.write(sd+'\n') print(i,x,U,S) FW.close()</pre>	<p>(FW : 把結果寫入 SHM.txt 這個檔案裡)</p> <p>1-open 2-write 3-close</p> <p>(讓輸出的 ixUS 排列整齊...)</p> <p>('\n' : 這個指令是讓行列互換)</p>
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/home/mengwen/code1201/code1201.py

```

1  FW=open('SHM.txt','w')
2  k=10
3  a=0
4  b=2
5  N=20
6  dx=(b-a)/N
7  Lx=[]
8  LU=[]
9  S=0
10 for i in range (N+1):
11     x=a+dx*i
12     U=0.5*k*x**2
13     S+=U
14     sd='{ :4d} { :10.3f} { :10.3f} { :10.3f}'.format(i,x,U,S)
15     #print('{ :4d} { :10.3f} { :10.3f} { :10.3f}'.format(i,x,U,S))
16     FW.write(sd+'\n')
17 print(i,x,U,S)
18 FW.close()

```

```
20 2.0 20.0 143.5
```

```
>>> []
```

讀取一個 txt 檔案

```
FR=open('data.txt','r')
```

```
A=FR.read()
```

```
Print(a)
```



/home/profycchen/COD/COD1124/Ux-2.py

```

1  FR=open('data_1.txt','r')
2  a=FR.read()
3  print(a)
4  b=a.split()
5  print(b)
6  n=0
7  for i in b:
8      k=int(i)
9      if(k%2==0):
10         n+=1
11         print(n,i)

```