

```
In [2]: 1 a = 2000
        2 b = 9999
```

```
In [2]: 1 a+b
```

```
Out[2]: 11999
```

```
In [3]: 1 print("a+b")

a+b
```

```
In [4]: 1 print(a+b)

11999
```

```
In [11]: 1 c = "40"
        2 d = "60"
        3 e = 100
```

```
In [12]: 1 c+d
```

```
Out[12]: '4060'
```

```
In [14]: 1 print("addition of c & d :", e)

addition of c & d : 100
```

```
In [19]: 1 # slicing of string (n-1)rule apply
        2
        3 z = "Hello World"
```

```
In [16]: 1 x = z[:]
```

```
In [17]: 1 x
```

```
Out[17]: 'Hello World'
```

```
In [18]: 1 z[:8]
```

```
Out[18]: 'Hello Wo'
```

```
In [20]: 1 z[4:8] # here,for getting output strictly 1st value is smaller than 2nd val
```

```
Out[20]: 'o Wo'
```

```
In [23]: 1 z[8:4]
```

```
Out[23]: ''
```

```
In [21]: 1 z[-1:-5]
```

```
Out[21]: ''
```

```
In [22]: 1 z[-5:-2] # (n-1) rule applied here
```

```
Out[22]: 'Wor'
```

```
In [24]: 1 z[-2:-5] # here,for getting output strictly 1st value is greater than 2nd va
```

```
Out[24]: ''
```

```
In [25]: 1 ### user function
```

```
In [ ]: 1 a = int(input("enter the number:"))  
2 print(a)  
3
```

```
In [5]: 1 x = int(input("enter the 1st number:"))  
2 y = int(input("enter the 2nd number:"))  
3 z = x+y  
4 print("addition of x and y :",z)
```

```
enter the 1st number:30  
enter the 2nd number:50  
addition of x and y : 80
```

```
In [6]: 1 x = int(input("enter the 1st number:"))  
2 y = int(input("enter the 2nd number:"))  
3 print("addition of x and y :",x+y)
```

```
enter the 1st number:33  
enter the 2nd number:44  
addition of x and y : 77
```

for loop

In [7]:

```
1 for i in range(2,20):  
2     print(i)
```

```
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19
```

In [8]:

```
1 for x in "Hello World":  
2     print(x)
```

```
H  
e  
l  
l  
o  
  
W  
o  
r  
l  
d
```

In [9]:

```
1 len(x)
```

Out[9]: 1

```
In [12]: 1 for x in "Hello World":  
2         print("Asfiya")  
3         print(x)
```

```
Asfiya  
H  
Asfiya  
e  
Asfiya  
l  
Asfiya  
l  
Asfiya  
o  
Asfiya  
  
Asfiya  
W  
Asfiya  
o  
Asfiya  
r  
Asfiya  
l  
Asfiya  
d
```

```
In [13]: 1 for x in "Hello World":  
2         print(x)  
3         print("Asfiya")
```

```
H  
Asfiya  
e  
Asfiya  
l  
Asfiya  
l  
Asfiya  
o  
Asfiya  
  
Asfiya  
W  
Asfiya  
o  
Asfiya  
r  
Asfiya  
l  
Asfiya  
d  
Asfiya
```

```
In [15]: 1 x = int(input("Enter the count:"))
          2 for i in range(x):
          3     c = "Asfiya"
          4     print(c)
```

```
Enter the count:4
Asfiya
Asfiya
Asfiya
Asfiya
```

```
In [1]: 1 y = int(input("Enter the count :"))
          2 for i in range(y):
          3     z = input("Enter the name :")
          4     print(z)
```

```
Enter the count :4
Enter the name :nalini
nalini
Enter the name :asfiya
asfiya
Enter the name :radha
radha
Enter the name :seeta
seeta
```

```
In [ ]: 1
```