**For loop range**

**for** j **in** range (**5**):  
 print (j)

output

0

1

2

3

4

**for** i **in** range(**10**):  
 print(i,end=**" "**) *# end ="" is used to print in same line*

**output**

0 1 2 3 4 5 6 7 8 9

**For loop- prime no**

n=**25**end=int(n/**2**)+**1  
for** i **in** range(**2**,end):  
 **if** n%i==**0**:  
 print(**"its not prime"**)  
 **break***#else:  
# print("its prime")*

**for – multiplication table**

n= int(input(**"enter a no"**))  
  
**for** i **in** range(**1**,**11**):  
 x= int(i\*n)  
 print(i,**'x'**,n,**'='**,x)

otuput

enter a no>? 5

1 x 5 = 5

2 x 5 = 10

3 x 5 = 15

4 x 5 = 20

5 x 5 = 25

6 x 5 = 30

7 x 5 = 35

8 x 5 = 40

9 x 5 = 45

10 x 5 = 50

**For loop range**

**for** i **in** range(**100**,**0**,-**1**):  
 print(i)

**output**

**100**

**99**

**.**

**.**

**.**

**1**

**For – inside for list**

fruits=[**'apple'**,**'orange'**,**'grapes'**]  
colour=[**'red'**,**'green'**]  
**for** j **in** fruits:  
 **for** i **in** colour:  
 print(i,j)

output

red apple

green apple

red orange

green orange

red grapes

green grapes

**while**

i=**1  
while** i<**10**:  
 print(i,**"hai"**)  
 i+=**1  
else**:  
 print(**"finish"**)

**output**

1 hai

2 hai

3 hai

4 hai

5 hai

6 hai

7 hai

8 hai

9 hai

Finish

**While choice**

**while 1**: *#this conditiom will always true* x=int(input(**"no1"**))  
 y=int(input(**"no2"**))  
 print(**"1.ADD** \n **2.SUB** \n **3.MUL** \n **4.DIV"**)  
 a=int(input(**"enter your choice"**))  
 **if** a==**1**:  
 print(x+y)  
 **elif** a==**2**:  
 print(x-y)  
 **elif** a==**3**:  
 print(x\*y)  
 **elif** a==**4**:  
 print(x/y)  
  
 **elif** a==int(**"hh"**): *#* **break  
else**:  
 print(**'invalid'**)