

While Condition

In [1]:



```
s=1
while s<=10:
    print("LOOP")
    s=s+1
```

LOOP
LOOP
LOOP
LOOP
LOOP
LOOP
LOOP
LOOP
LOOP
LOOP
LOOP

Print n numbers

In [2]:



```
n=int(input('enter the number'))
i=1
while i<=n:
    print(i)
    i=i+1
```

enter the number5
1
2
3
4

Sum of numbers

In [3]:



```
i=1
sum=0
n=int(input('enter the number: '))
while i<=n:
    sum=sum+i
    i=i+1
print(sum)
```

enter the number: 3
6

Table of numbers

In [4]:



```
num=int(input('enter the number: '))
s=1
while s<=num:
    print(s, '*', num, '=', num*s)
    s=s+1
```

```
enter the number: 5
1 * 5 = 5
2 * 5 = 10
3 * 5 = 15
4 * 5 = 20
5 * 5 = 25
```

Fibonacci Numbers

In [5]:



```
a=0
b=1
for i in range(0,10):
    print(a)
    a,b=b,a+b
```

```
0
1
1
2
3
5
8
13
21
34
```

Reverse of a Numbers

In [6]:



```
number=int(input('enter the number: '))
reverse_number=0
while number>0:
    reminder=number%10
    reverse_number=(reverse_number*10)+reminder
    number=number//10
print('reverse number is: ',reverse_number)
```

```
enter the number: 433
reverse number is: 334
```

Armstrong number or not

In [7]:



```
number=int(input('enter the three digit number: '))
sum=0
temp=number
while temp>0:
    digit=temp%10
    sum=digit**3+sum
    temp=temp//10
if number==sum:
    print('Armstrong number')
else:
    print("Not Armstrong number")
```

enter the three digit number: 54
Not Armstrong number

Nested loop

In [8]:



```
for i in range(10,0,-1):
    for j in range(i):
        print(j, end='')
    print()
```

0123456789
012345678
01234567
0123456
012345
01234
0123
012
01
0

In [9]:



```
for i in range(10,0,-1):
    for j in range(i):
        print(chr(97+j), end='')
    print()
```

abcdefghij
abcdefghi
abcdefgh
abcdefg
abcdef
abcde
abcd
abc
ab
a

Break & Continue

In [10]:



```
for i in range(4):  
    if i==10:  
        break  
    else:  
        print(i)
```

0
1
2
3

In [11]:



```
for i in range(10):  
    if i==7:  
        continue  
    else:  
        print(i)
```

0
1
2
3
4
5
6
8
9

In []:

