

In [4]:

```
i = 1
while i<7:
    print(i)
    i+=1
```

1  
2  
3  
4  
5  
6

In [5]:

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

enter number9  
1  
2  
3  
4  
5  
6  
7  
8  
9

In [6]:

```
n = int(input('enter number'))
i=1
while i<=n:
    print(i)
    i+=1
    if(i==5):
        break
```

enter number9  
1  
2  
3  
4

In [8]:

```
n = int(input('enter: '))
for i in range (1,n):
    print(i)
```

enter: 5  
1  
2  
3  
4

In [13]:

```
n=int(input('enter: '))
for i in range (0,n+1,3):
    print(i)
```

```
enter: 12
0
3
6
9
12
```

In [14]:

```
import math
math.sqrt(4)
```

Out[14]:

2.0

In [15]:

```
n = int(math.sqrt(144))
print(i)
```

12

In [17]:

```
math.ceil(7/3)
```

Out[17]:

3

In [18]:

```
math.floor(7/3)
```

Out[18]:

2

In [20]:

```
s = int(math.ceil(10/3))
print(s)
```

4

In [21]:

```
n = int(math.factorial(12))
print(n)
```

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In [26]:

```
n = int(math.fmod(29,5))
print(n)
```

4

In [28]:

```
int(math.fabs(-10))
```

Out[28]:

10

In [29]:

```
int(math.log2(16))
```

Out[29]:

4

In [30]:

```
int(math.log10(100))
```

Out[30]:

2

In [33]:

```
int(math.pow(2,8))
```

Out[33]:

256

In [39]:

```
n = int(input('enter the range: '))
for i in range(1,n+1):
    if(i%2 ==0):
        print(i)
```

enter the range: 11

2  
4  
6  
8  
10

In [41]:

```
n = int(input('enter the range: '))
for i in range(2,n+1,2):
    print(i)
```

enter the range: 15

2  
4  
6  
8  
10  
12  
14

table

In [46]:

```
n = int(input('enter number'))
i =1
while i<=n:
    a = i*19
    print(a)
    i+=1
```

enter number10

```
19
38
57
76
95
114
133
152
171
190
```

## PATTERN PRINTING

In [57]:

```
n = int(input("enter the number of rows="))
for i in range(1,n+1):
    for j in range(1,i+1):
        print("*",end=" ")
    print("")
```

```
enter the number of rows=5
*
* *
* * *
* * * *
* * * * *
```

## FIBONACCI SERISE

In [62]:

```
n = int(input('enter number of terms '))
first = 0
second = 1
print(first,end=" ")
print(second,end=" ")
for i in range(3,n+1):
    sum = first + second
    first = second
    second = sum
    print(sum,end=" ")
```

```
enter number of terms 9
0 1 1 2 3 5 8 13 21
```