

```
In [1]: a=10
        if a>5:
            print("true")
        else:
            print("false")
```

true

```
In [2]: a=25
        if a%2==0:
            print("number is even")
        else:
            print("number is odd")
```

number is odd

```
In [3]: if True:
        print("statement is true")
        else:
            print("statement is false")
```

statement is true

```
In [4]: if 1:
        print("it is true")
        else:
            print("it is false")
```

it is true

```
In [6]: print("hello") if True else print("python")
```

hello

```
In [7]: print("hello") if 10<20 else print("python")
```

hello

```
In [12]: marks = 65
         if marks > 90:
             print("excellent")
         elif marks < 90 and marks > 75:
             print("good")
         elif marks < 75 and marks > 65:
             print("average")
         elif marks < 65 and marks > 35:
             print("below average")
```

```
In [21]: print(list(range(5)))  
print(list(range(5,10)))  
print(list(range(1,10,2)))  
print(list(range(0,10,2)))  
print(list(range(-10,-5)))  
print(list(range(-10,-5,2)))
```

```
[0, 1, 2, 3, 4]  
[5, 6, 7, 8, 9]  
[1, 3, 5, 7, 9]  
[0, 2, 4, 6, 8]  
[-10, -9, -8, -7, -6]  
[-10, -8, -6]
```

```
In [23]: for i in range(10):  
        print(i)
```

```
0  
1  
2  
3  
4  
5  
6  
7  
8  
9
```

```
In [24]: for i in range(2,10,2):  
        print(i)
```

```
2  
4  
6  
8
```

```
In [25]: for i in range(1,10,2):  
        print(i)
```

```
1  
3  
5  
7  
9
```

```
In [29]: for i in range(-10,-5,2):  
        print(i)
```

```
-10  
-8  
-6
```

```
In [2]: i=1
while i<=5:
    print(i)
    i=i+1
```

1
2
3
4
5

```
In [3]: i=10
while i>1:
    print(i)
    i=i-1
```

10
9
8
7
6
5
4
3
2

```
In [10]: for i in range(1,10):
    if i==6:
        break
    print(i)
```

1
2
3
4
5

```
In [11]: for i in range(1,10):
    if i==5:
        continue
    print(i)
```

1
2
3
4
6
7
8
9

In []: