

## Control Statement in Python

Python statements are executed one by one in the same order  
magar agar jo hum execute karwana chate hai kisi  
particular condition per execute ho or bakina ho

There are 2 types of control statements

1) Selection statement

a) if                      elif

2) Looping condition

a) while                      b) for

If statement

is a bi-directional conditional control statement that checks the condition and work according to that condition. A condition may have only two results - either the condition is true or the condition is false.

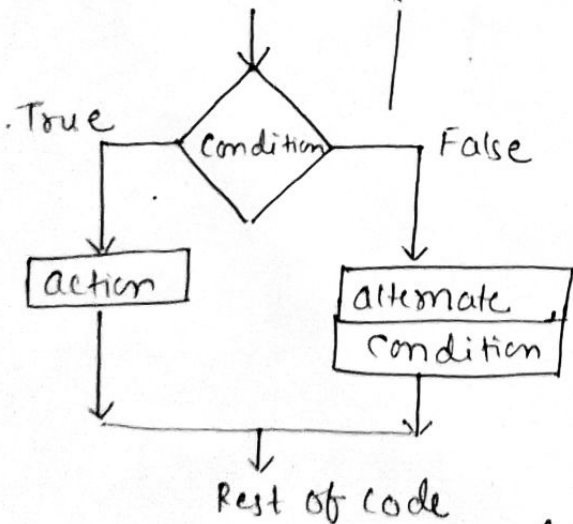
a) if condition:  
| statement |

```

b) if condition;
    | statement 1
else:
    | statement 2

```

c) if condition:  
    | statement 1  
  
    elif condition:  
        | statement 2  
  
    else:  
        | statement 3



### Practise Question

WAP to check wheather  
a number is odd/Even

```
a = int(input("Enter Number:"));
if a%2 == 0:
    print("the no. is even")
else:
    print("the no is odd")
```

Q// WAP to check the person wheather on age is able to voting or not?

Q// WAP to calculate total marks in 5 subject find %age of marks and division as per the following condition

%age  $\geq 80$  - A

%age  $\geq 60$  - B

%age  $\geq 40$  - C

%age  $< 40$  - D

} Hint

### Looping statement

is a control statement which keeps on executing a single statement or a block of statement 'N' times till the condition is true.

① while loop

Every looping statement has 3 parts

a) Initialization

b) condition

c) Increment / Decrement

Program	Initilization	condition	Increment / Decrement
Print 1 to 10	$i = 1$	$i \leq 10$	$i = i + 1$
print 10 to 1	$i = 10$	$i \geq 1$	$i = i - 1$

Q// WAP to print from 1 to 10

Sol<sup>n</sup>

```
i = 1
while (i <= 10):
    print(i)
    i = i + 1
```

Q// WAP to print from 1 to n (take n from user)

Sol<sup>n</sup>

```
n = int(input("Enter no"))
i = 1
while (i <= n):
    print(i)
    i = i + 1
```