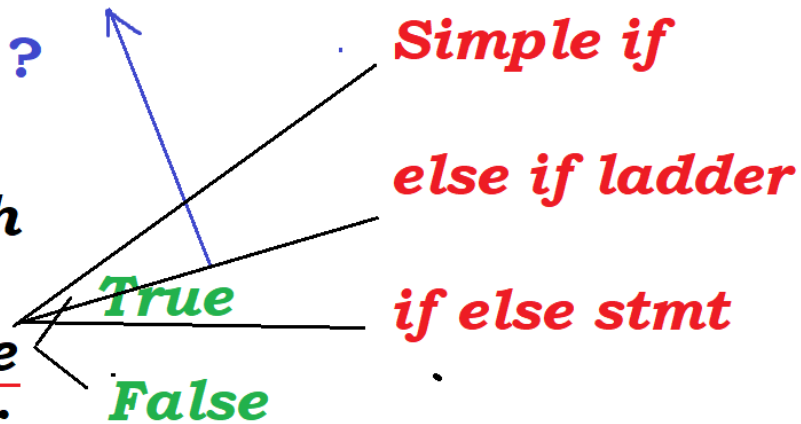


Conditional Statments

What is Condition ?

A Condition is a expression which is placed in a respective clause for a particular operation



Types (4)

Simple if Stmt

if else Stmt

elif Stmt

nested if...else stmt

Simple **if** Statment

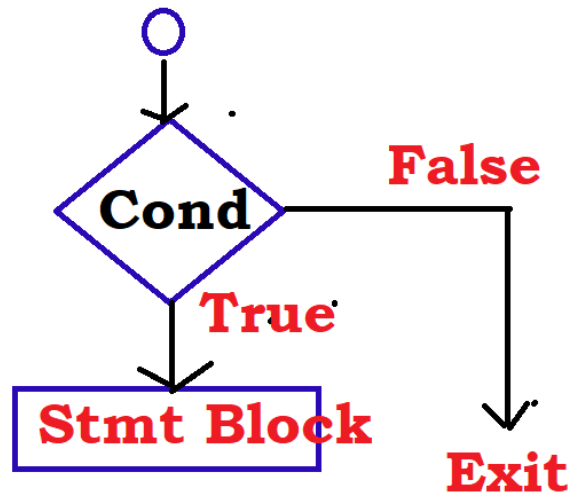
Syntax

```
if ( Condition ) :  
    Stmt Block
```

or

```
if condition :  
    Stmt Block
```

Flow Chart



Example

Password Checking

```
a=int(input("Enetr New Password"))  
b=int(input("Re-Enter Password"))  
c=int(input("Enter User Password"))  
if a==c and b==c :  
    print("Logged Succesfully")
```

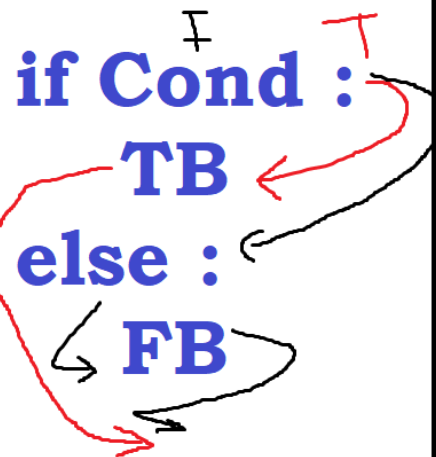
Drawback

Its Check only one condition and it prints only if the condotion is True if not , Its doesn't Well.

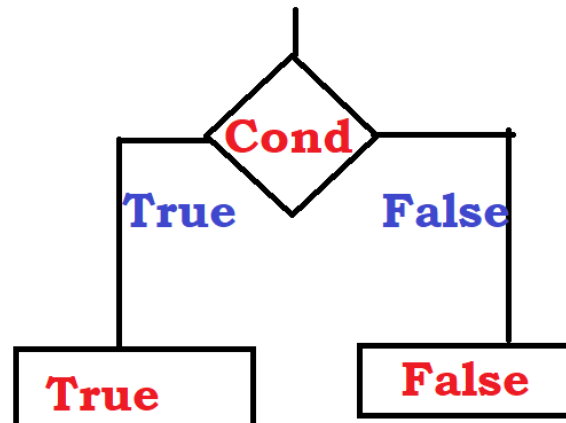
if else Statment

Syntax

if Cond :
 TB
else :
 FB



Flow Chart

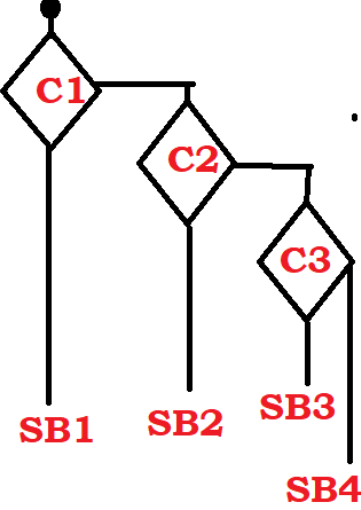


Program

```
a=int(input("Enetr New Password"))
b=int(input("Re-Enter Password"))
c=int(input("Enter User Password"))
if a==c and b==c :
    print("Logged Succesfully")
else:
    print("Plz Check Password")
```

Drawback

Its Can't Check Morethan one Cond

elif Statment	Flow Chart	Program	DrawBack
<p>if Cond 1: ^T SB1</p> <div style="border: 1px solid blue; padding: 5px; display: inline-block;"> <p>elif Cond 2: SB2</p> <p>elif Cond 3: SB3</p> </div> <p>else : SB4</p>	 <pre> graph TD Start(()) --> C1{C1} C1 -- True --> SB1[SB1] C1 -- False --> C2{C2} C2 -- True --> SB2[SB2] C2 -- False --> C3{C3} C3 -- True --> SB3[SB3] C3 -- False --> SB4[SB4] </pre>	<pre> a=int(input("Enetr New Password")) b=int(input("Re-Enter Password")) c=int(input("Enter User Password")) if a==b : print("Checking Pwd Correct") elif a==c and b==c: print("Correct Password") else: print("Plz Check Password") # ABNORMAL SISTUATION </pre>	<p>When ur Trying to print the values based on One condition is Interlinking with another Conditon</p>

nested if...else

Syntax

if cond1 :

SB1

if con2 :

SB2

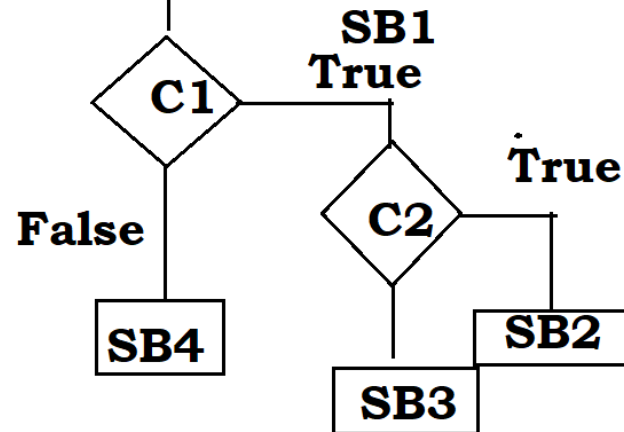
else:

SB3

else:

SB4

Flow Chart



```
a=int(input("Enetr New Password"))
```

```
b=int(input("Re-Enter Password"))
```

```
if(a==b):
```

```
    print("Both Passwords are Correct ")
```

```
    c=int(input("Enter User Password"))
```

```
    if(a==c and b==c):
```

```
        print("Logged Successfully")
```

```
    else:
```

```
        print("Check the Password")
```

```
else:
```

```
    print("Check the Re-Enter Pwd")
```