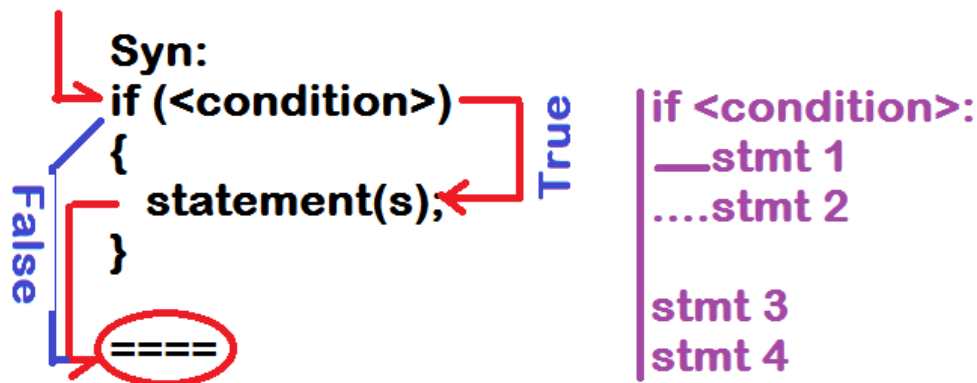


## Working with conditional Statement

If you want perform any calculation and operations based on certain condition then we have to use conditional statement(s)

- If...
- If...else
- If...elif...



**Note :** if condition is True, Then  
stmt 1, stmt2, stmt3 and stmt 4

**If condition is False, Then**  
stmt 3 and stmt 4..

#Accept a number and print it, if n is  
#when the given number is +VE

```
n=int(input("Enter a number ")) #12
if n>0:
    print("Given number is : ",n)
```



```
print("+ve") if n>=0 else print("-ve")
```

```
print("Outside Of if")  
print("Good day")
```

Eg2:

```
#Accept marks print Pass if marks>34 else Fail
```

```
marks=int(input("Enter marks "))
```

```
if marks>34:
```

```
    print("PASS")
```

```
else:
```

```
    print("Fail")
```

```
print("pass") if marks>34 else print("Fail")
```

Eg: 3 Using Logical Operators:

```
#Accept a char print Male if given char is m else print female
```

```
g=input("Enter any char ")
```

```
if g=="m" or g=="M":
```

```
    print("Male")
```

```
else:
```

```
    print("Female")
```

---

```
print("Male") if g=="m" or g=="M" else print("Female")
```

Eg: 2:

#Accept 3 sub marks and print Pass if marks >34 in all subjects else  
Fail

```
print("Enter 3 sub marks ")
```

```
m1,m2,m3=int(input()),int(input()),int(input())
```

```
if m1>34 and m2>34 and m3>34: # T and T -T [Only]
```

```
    print("Pass")
```

```
else:
```

```
    print("Fail")
```

```
print("pass") if m1>34 and m2>34 and m3>34 else print("Fail")
```

<b>if...elif.....</b>	<b>n</b>	
	<b>1-One</b>	
<b>if &lt;condition&gt;:</b>	<b>2-Two</b>	
<b>....stmt 1</b>	<b>3-Three</b>	
<b>elif &lt;condition&gt;:</b>	<b>Invalid</b>	
<b>....stmt 2</b>		<b>n=int(input("Enter no"))</b>
<b>elif &lt;condition&gt;:</b>		<b>if n==1:</b>
<b>....stmt 3</b>		<b>    print("One")</b>
<b>else:</b>		<b>elif n==2:</b>
<b>....stmt 4</b>		<b>    print("Two")</b>
		<b>elif n==3:</b>
		<b>    print("Three")</b>
		<b>else:</b>
		<b>    print("Invalid")</b>

**print("One") if n==1 else print("Two") if n==2 else print("Three")  
if n==3 else print("Invalid")**

**#Print Male if given char is "M" | 'm'  
#Print Female if given char is 'F' | 'f' else  
#print Invalid**

**g=input("Enter any char ")**

**if g=='M' or g=='m':  
    print("Male")**

---

```
elif g=='F' or g=='f':
```

```
    print("Female")
```

```
else:
```

```
    print("Third Gender")
```

```
print("Male") if g=='M' or g=='m' else print("Female") if g=='F' or g=='f'  
else print("Third Gender")
```

## **Nested if Examples**

```
age=int(input("Enter age : ")) #age=-5
```

```
if age>=0:
```

```
    if age<5:
```

```
        print("Kid")
```

```
    elif age<13:
```

```
        print("Child")
```

```
    elif age<20:
```

```
        print("Teen")
```

```
    elif age<50:
```

```
        print("Mid")
```

```
    else:
```

```
        print("Old ")
```

```
else:
```

```
    print("about born")
```

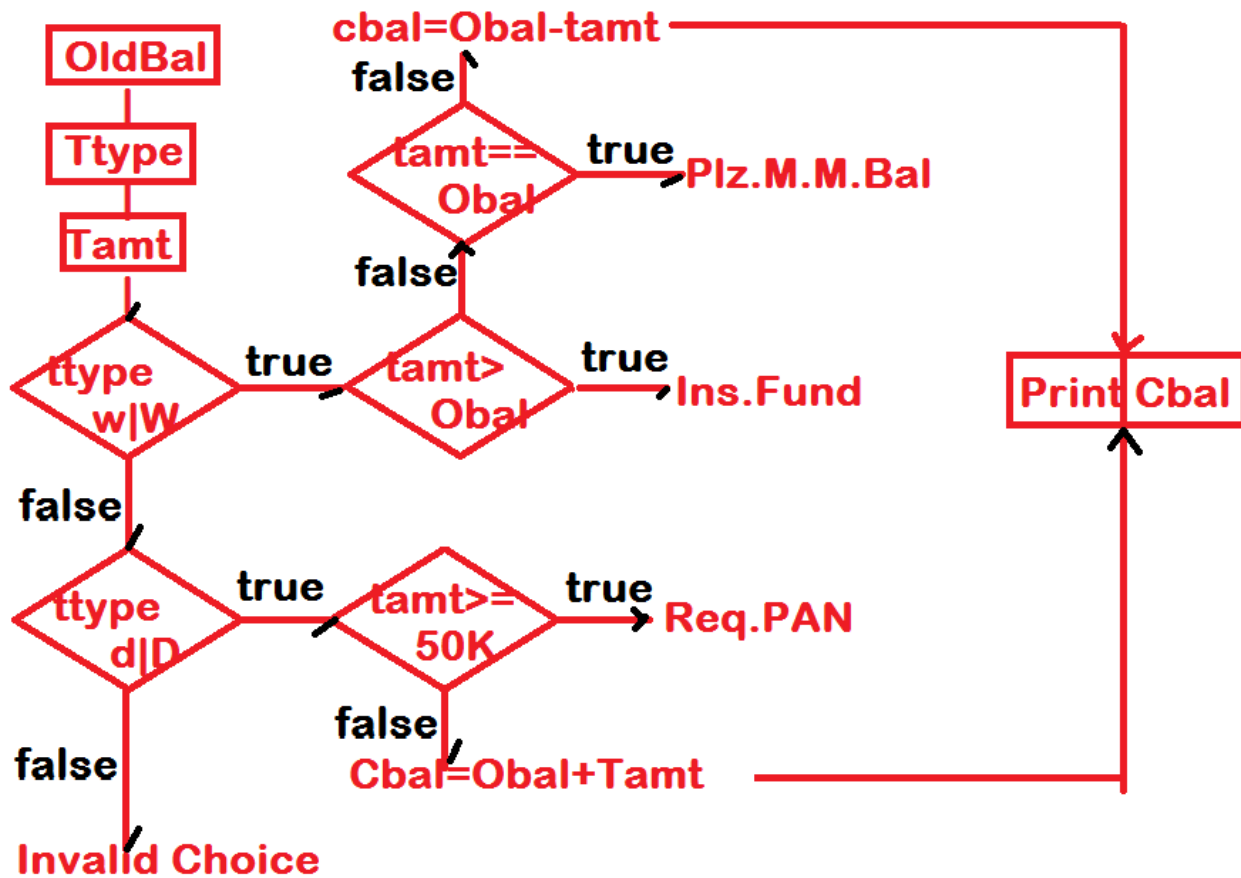
Example 2:

**Status Example Based on Gender and AGE**

```
gender=input("enter gender :")  
age=int(input("enter age :"))
```

```
if gender in ['m','M']:  
    if age>=21:  
        print("Major")  
    else:  
        print("Minor")  
elif gender in ['f','F']:  
    if age>=18:  
        print("Major")  
    else:  
        print("Minor")  
else:  
    print("Third Gender")
```

## Bank Application Example:





```
oldbal=int ( input("Enter Old Bal ") )  
ttype=input("Enter Ttype W|D : ")  
tamt=int( input("Enter TAmt : ") )  
lst=['w','W','d','D']
```

```
if ttype in lst[0:2:1]:  
    if tamt>oldbal:  
        print("Ins .Funds ...!!!")  
    elif tamt==oldbal:  
        print("Maintain Min Bal....!!!")  
    else:  
        cbal=oldbal-tamt  
        print("Cur_Bal is : ",cbal)  
  
elif ttype in lst[2:4:1]:  
    if tamt>=50000:  
        print("Req PAN .... !!! ")  
    else:  
        cbal=oldbal+tamt  
        print("Cur_Bal is : ",cbal)  
else:  
    print("Invalid Choice ")
```