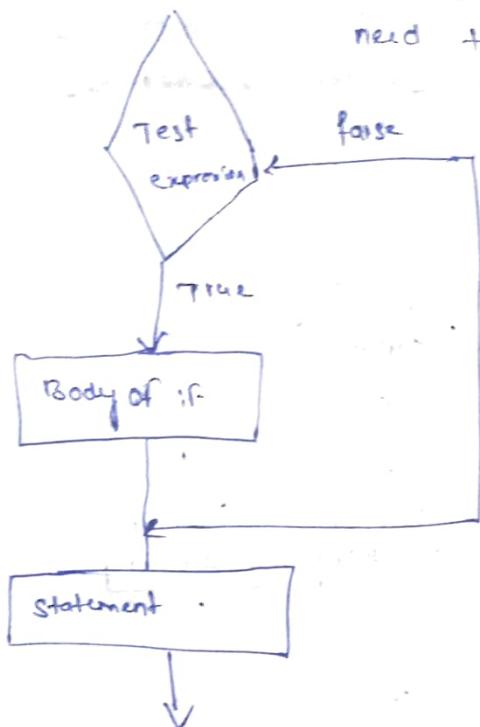


Conditional statement

if Condition :

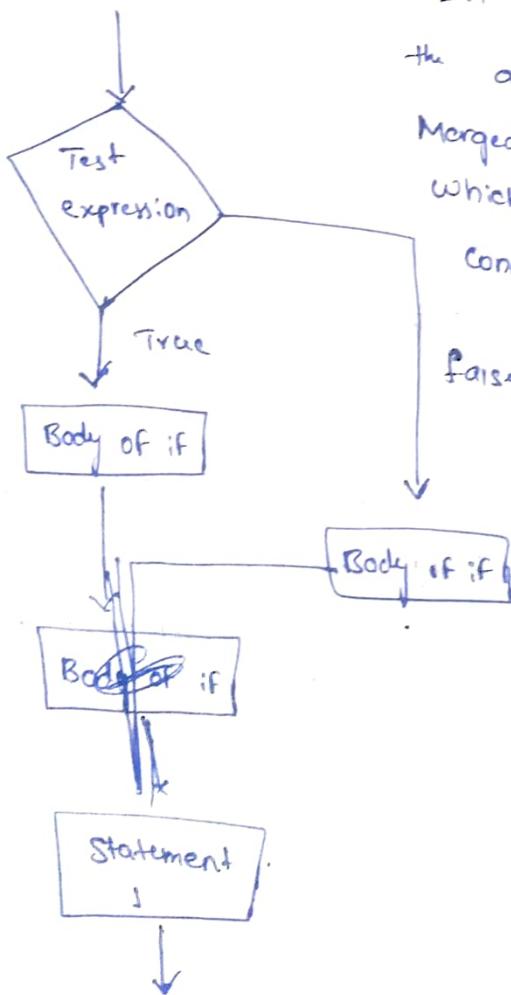


An if Statement is used a block code need to be executed only if a specific condition evaluates to true.

Ex:

```
if 10 > 5:  
    print ("10 greater than 5")  
print ("program ended")
```

if else



In this Conditional if Statement the additional block of code is merged as else statement which is performed when if condition is false

Ex:

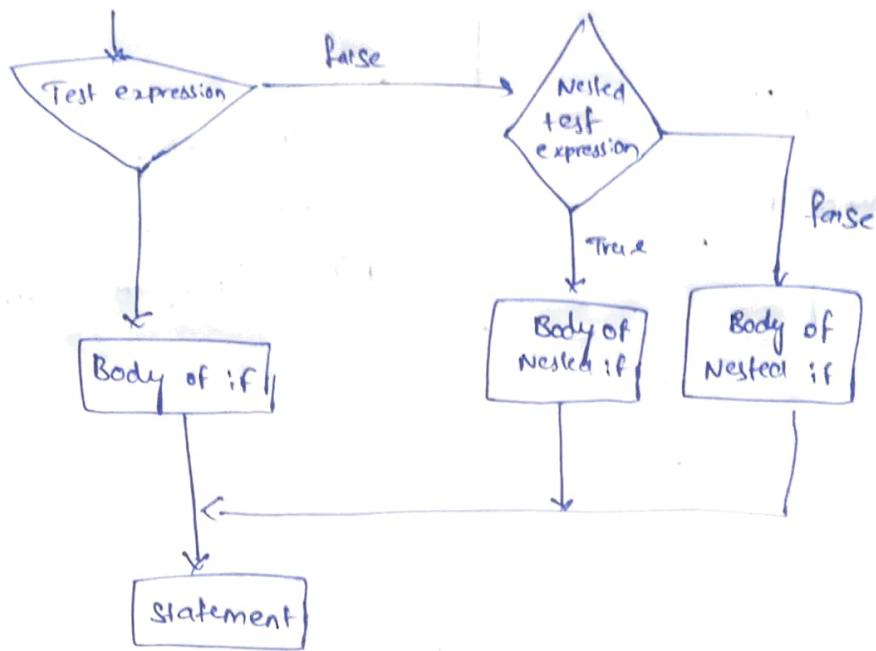
```
x = 3  
if x <= 4;  
    print ("Yes")
```

Else

```
    print ("No")
```

Nested if statement:

If statement can also be checked inside other if statement. This conditional statement is called Nested if statement.



Ex:-

$a = 10$

`if a > 5:`

`print ("Bigger than 5")`

`if a <= 15:`

`print ("Between 5 & 15")`

if - elif

The if-elif statement is a shortcut for chaining multiple if-else conditions. While using if-elif statement at the end else blocked is added which is performed if none of the above if-elif statement is true.

Ex:-

`letter = 'A'`

`if letter == 'B':`

`print ("letter:B")`

`elif letter == 'C':`

`print ("letter is 'C'")`

`else:`

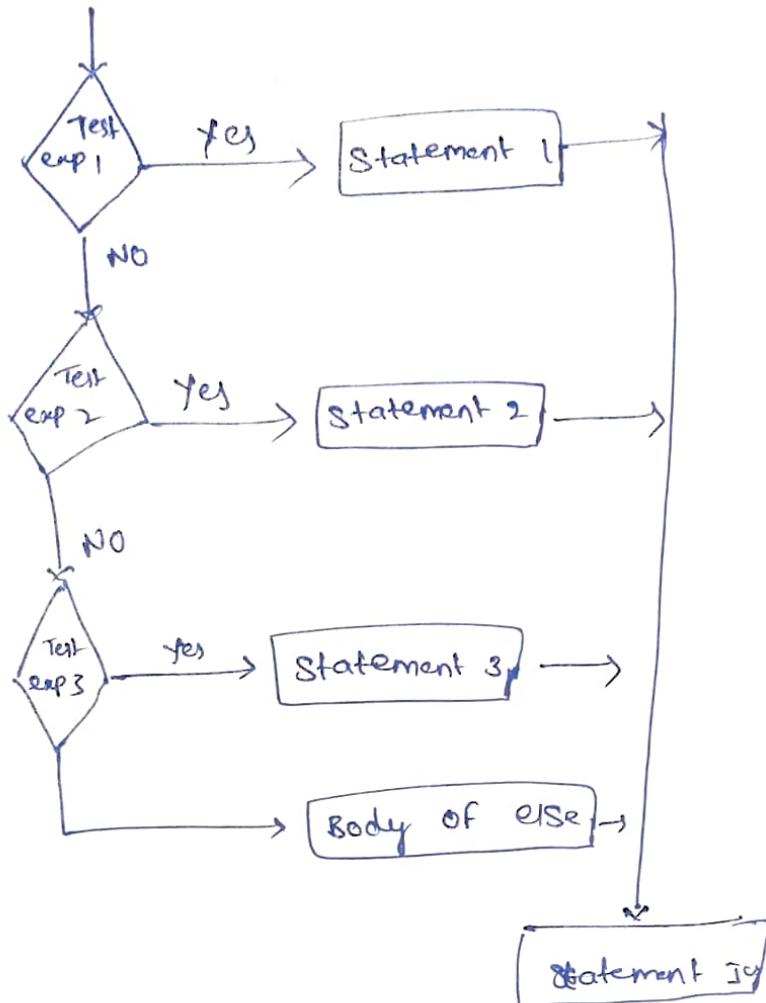
`print ("letter is not")`

else :

 print (" letter isn't A,B, or C")

Output

letter is A



elif inside Nested if Statement:-

→ using elif within Nested if Statement in python allows for more complex decision structures within a branch of another decision.

program

x = 5

y = 10

if x > 5:

 print "if y > 10

 Print (" x is greater than 5")

 elif y = 10

 print ("x is greater than 5 and y is 10")

 else;

 print ("y is greater than 5 and x is greater than 5")