

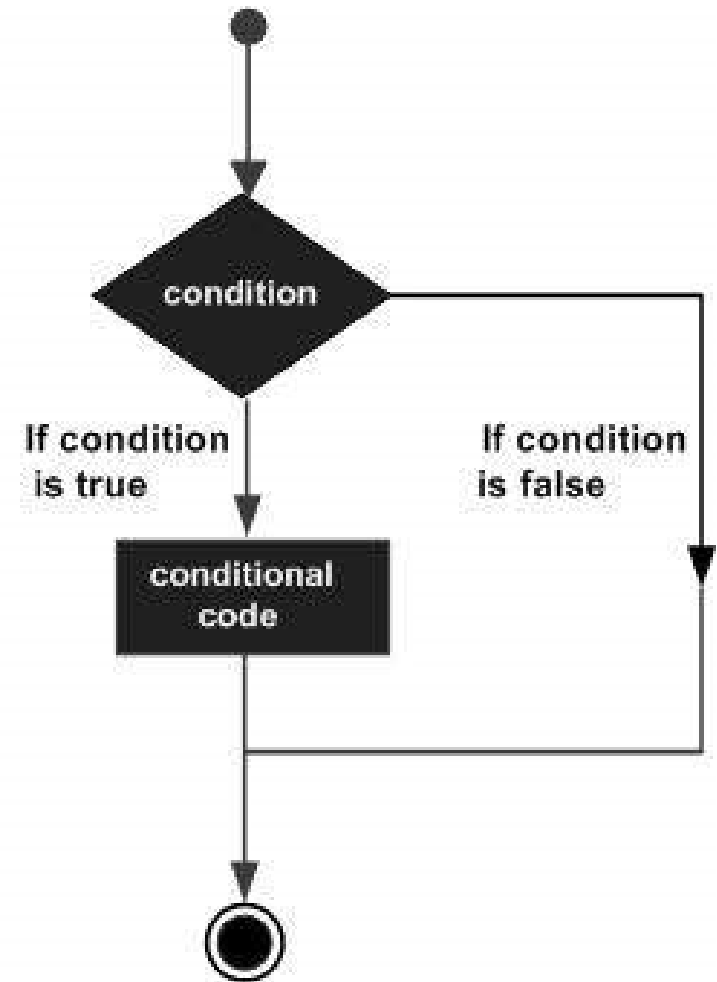
#8

DECISION MAKING



Decision Making

- Python programming language provides the following types of decision making statements.
 - if statements
 - if else statements
 - nested if statements
 - If-elif ladder



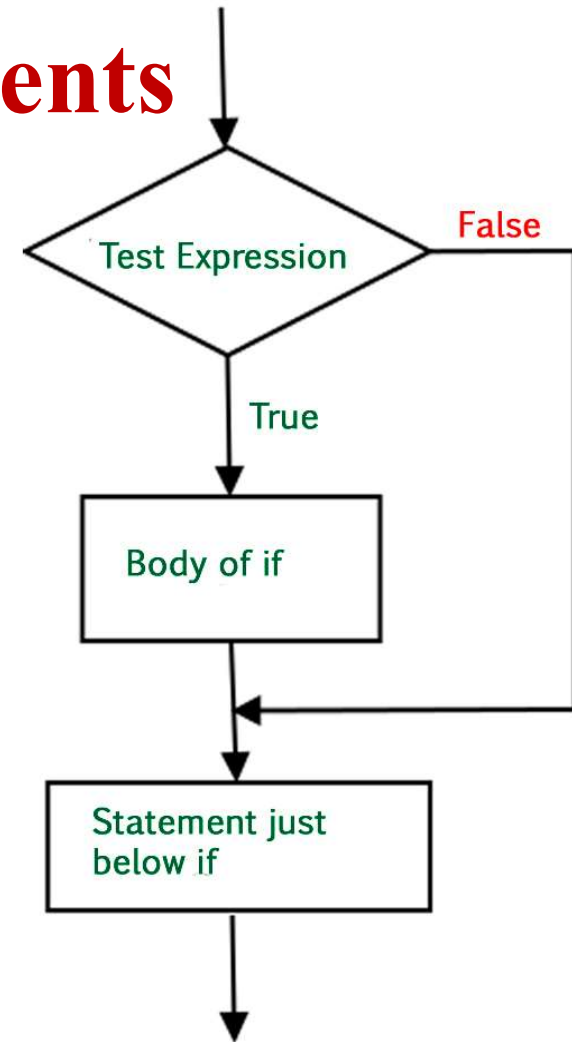
Decision Making – if Statements

```
if condition:  
    # Statements to execute if  
    # condition is true
```

```
i = 10  
if (i > 15):  
    print ("10 is less than 15")  
print ("I am Not in if")
```

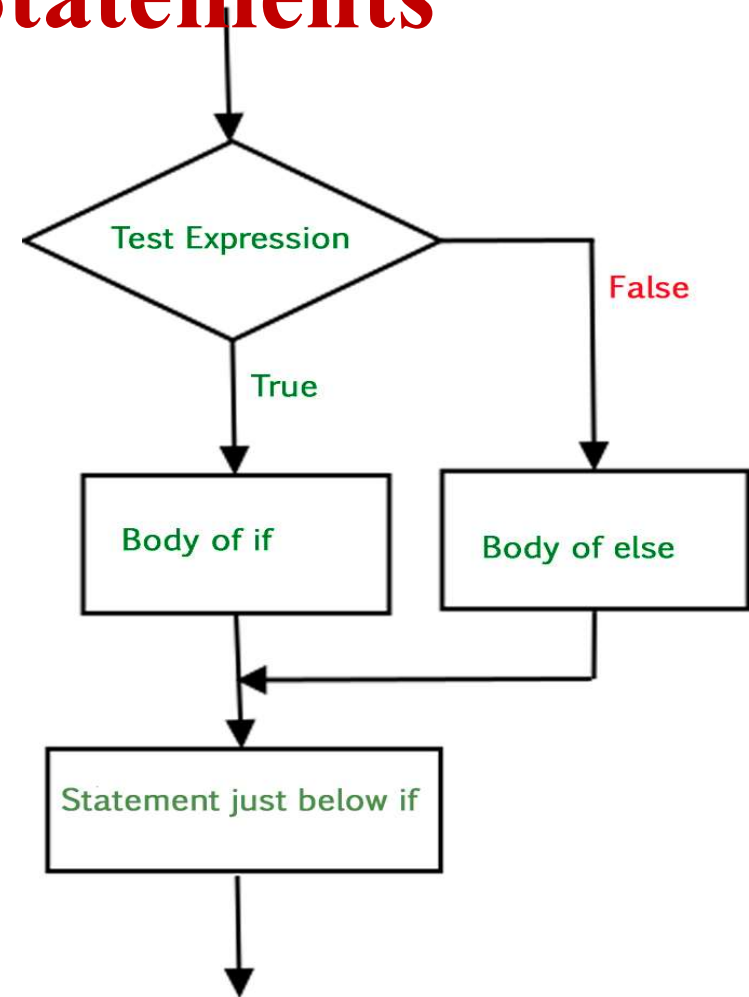


I am Not in if



Decision Making – if-else Statements

```
i = 20;  
if (i < 15):  
    print ("i is smaller than 15")  
    print ("i'm in if Block")  
else:  
    print ("i is greater than 15")  
    print ("i'm in else Block")  
print ("output is done")
```



Decision Making – nested-if Statements

- If statement inside of another if

```
i = 10
if (i == 10):
    if (i < 15):
        print ("i is smaller than 15")
    if (i < 12):
        print ("i is smaller than 12 too")
    else:
        print ("i is greater than 15")
```

```
i is smaller than 15
i is smaller than 12 too
```



Decision Making – if-elif-else ladder

```
i = 20
if (i == 10):
    print ("i is 10")
elif (i == 15):
    print ("i is 15")
elif (i == 20):
    print ("i is 20")
else:
    print ("i is not present")
```

i is 20

