

## Operators:

\*Identity operators: Identity operator is used to compare the values. We have two types: "is" and "is not".

Eg: a=3; b=3

a is b => It gives true

a=4; b=5

a is not b => It gives true

a=4; b=5

a is b => It gives false

\*Membership Operator: Its used to test if specified value is present or no.

=> "in" and "not in"

Eg: pet ['cat', 'dog', 'cow', 'rabbit']

'cat' not in pet => It returns false

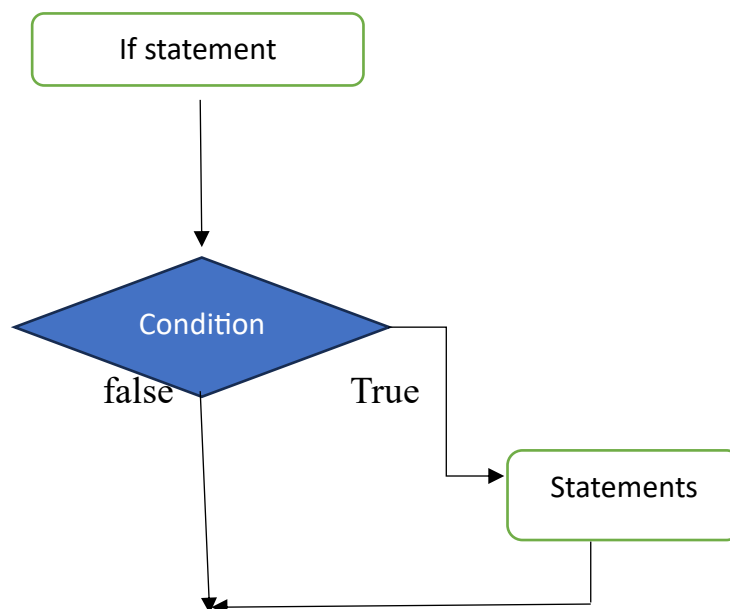
'lion' not in pet => It returns true

'dog' in pet => It returns true

**Conditional Statements:** It allows us to make decision in code. It returns a Boolean value, they check the conditions and executes different block of code accordingly.

=> Types of conditional statements:

- **If statement:** It executes a block of code if the condition is true.



Syntax: if (condition) :

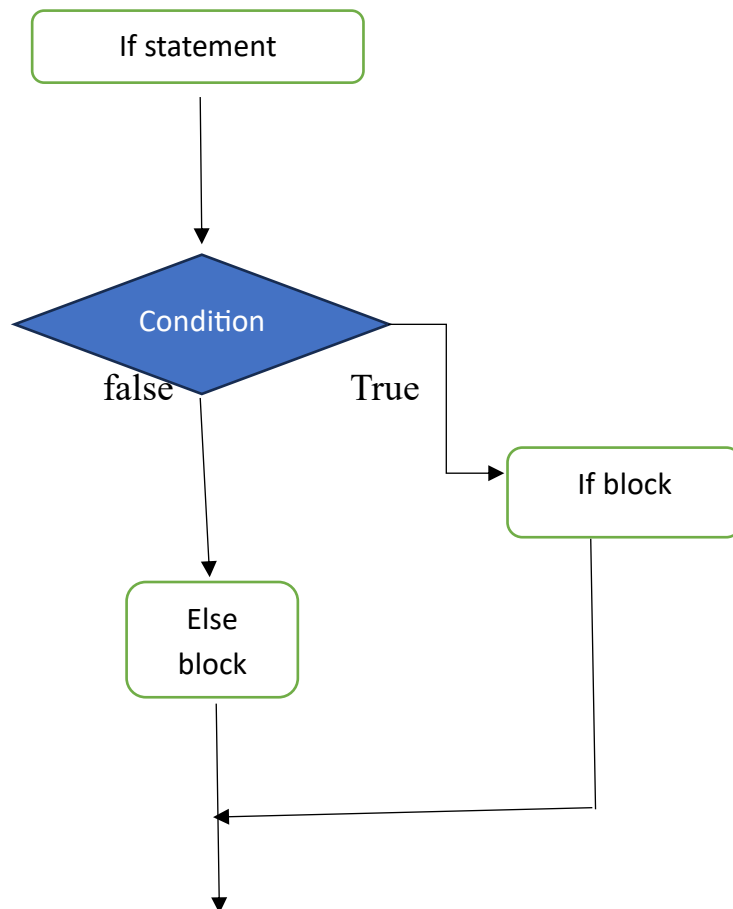
Statements

Eg: x=2

```
if(x>5):
```

```
    print ("x is greater than 5")
```

- **If-else statement:** It executes true if condition is true else if its false.



Syntax: if (condition):

Statements

else:

Statements

Eg: x=2

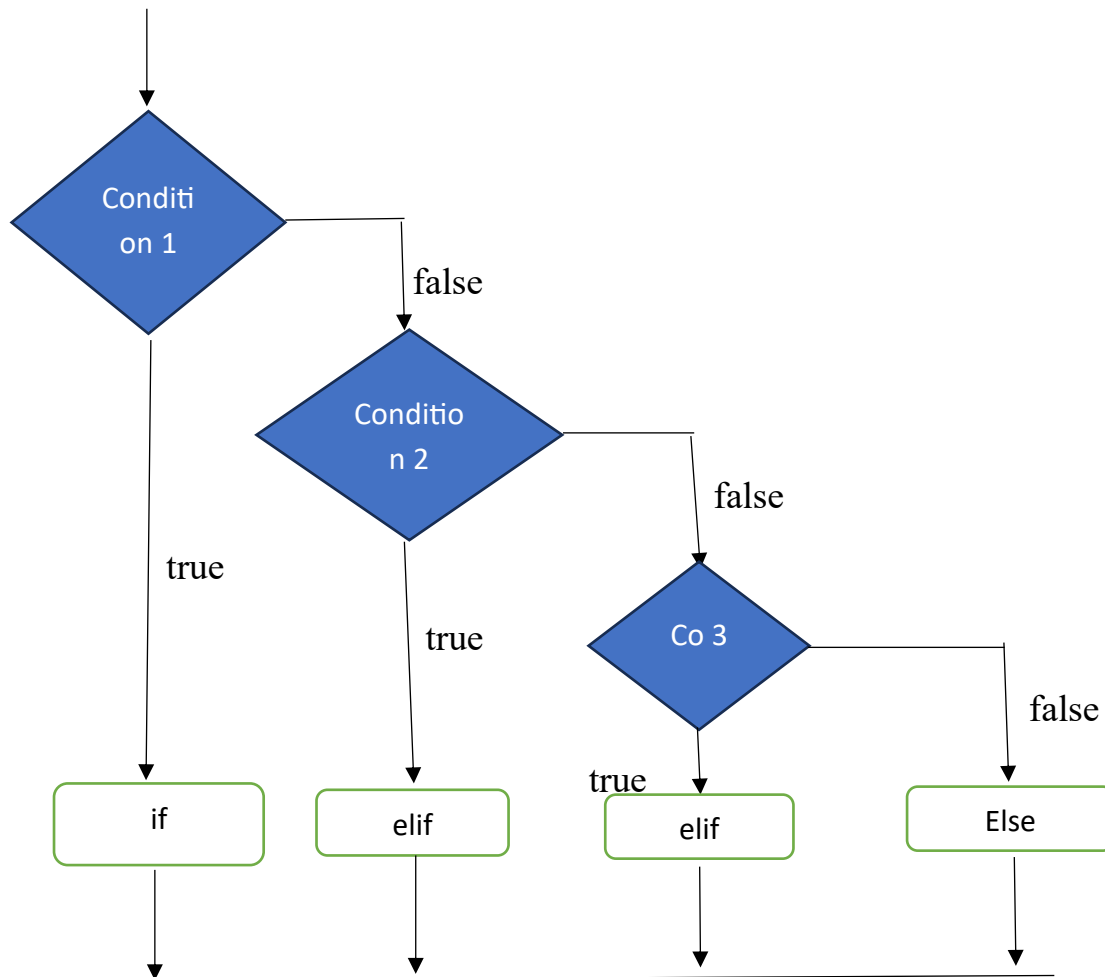
```
if (x>5):
```

```
    print ("x is greater than 5")
```

else:

print ("x is not greater") => It prints x is not greater

- **If..elif..else ladder:** Multiple conditions will be checked step by step.



Syntax: if (condition1):

Statements

elif (condition2):

Statements

elif (condition3):

Statements

else:

Statements

