**Control statements**

1.operators

2.conditional statements

3.looping statements

4.jumping statements

**Operators**

python operators in General are used to perform operations on value an variables operators are special symbols.

Ex:- +, - , \* , / etc

**what is operands?** (variables)

In python operators are Special symbols that desi grate that some sort of computation should be performed.

→ The value that can be an operator acts on, are called operands.

X + Y

X and Y are operands

+ is a operator

**Types of operators:**

1. Arithmetic operator
2. Relational operator (or) comparison operator
3. Logical operator
4. Assignment operator
5. Membership operator
6. Identify operator
7. Bitwise operator

**1.Arithmetic operator**

Use to perform mathematical operations like addition , multiplication, subtraction.

**2. Relational operator**

In programming you often want to compare value with another value to do that you use comparison operator.

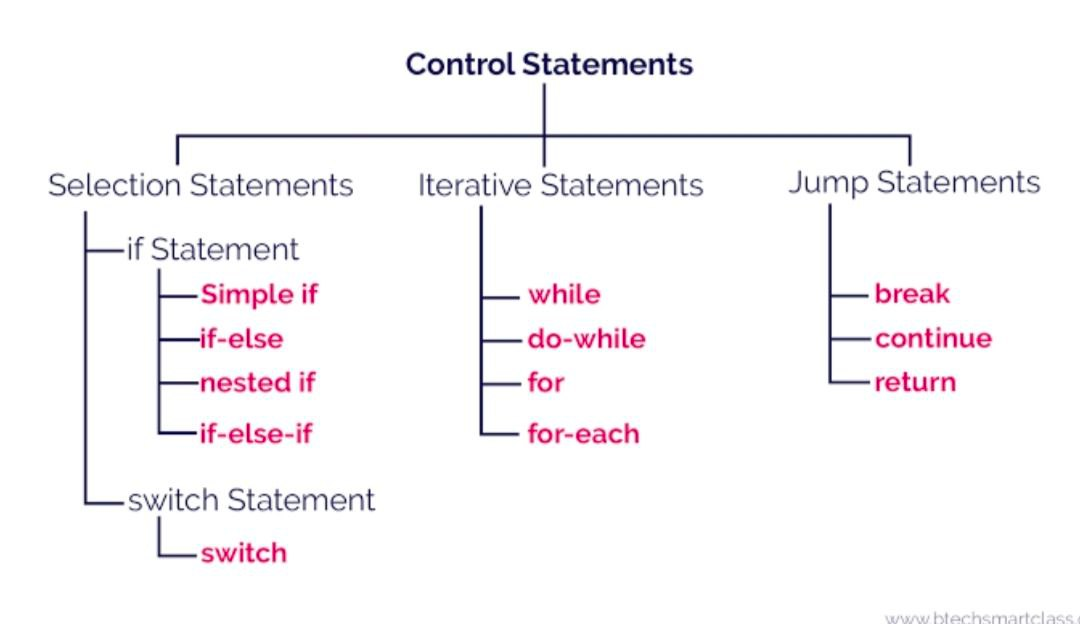
It returns either True or False according to condition.

**3. Logical operator**

This condition uses for statement is either True/False

They perform logical AND, LOGICAL OR , and LOGICAL NOT Operations.

**Control statements**



**Conditional statements:** we use those statements while execute a block of code. When given condition is T/F

1. If statements
2. If else statement
3. Elif statement
4. Nested if
5. Short and if
6. Short and if else
7. if 2>1:

print ("this is if")

elif 2>1:

print ("this is elif")

else :

print ("this is else")

**nested** – if within if is called Nested if

if 2>1:

       print ("this is outer if")

   if 2>0:

          print ("this is inner if")

     else:

        print ("this is inner else")

else:

    print ("this is outer else")

**Short hand if**

if 5>2:print ("this is if")

**Short hand else**

a=1

b=2

print ("this is if ") if a<b else print ("this is else")

**Looping statements**

If we run a code multiple times it go for loop kind of execution.

These are two types

1)While loop 2) For loop

1)while loop

while True:

print ("this is Loop")

1. for I in “uma”:

print (i)

**Break**

For j in “python”

Print(j)

**Nested for**

For i in range (1,1001)

Print(i)

**While condition**

while False:

  print ("this is loop")

else:

 print("else")

user="uma"

password="uma123"

user\_name= input ("Enter the User Name:")

pass\_word= input ("Enter the password:")

if user==user\_name

password==pass\_word:

 print("succuss")

else:

 print ("try again")