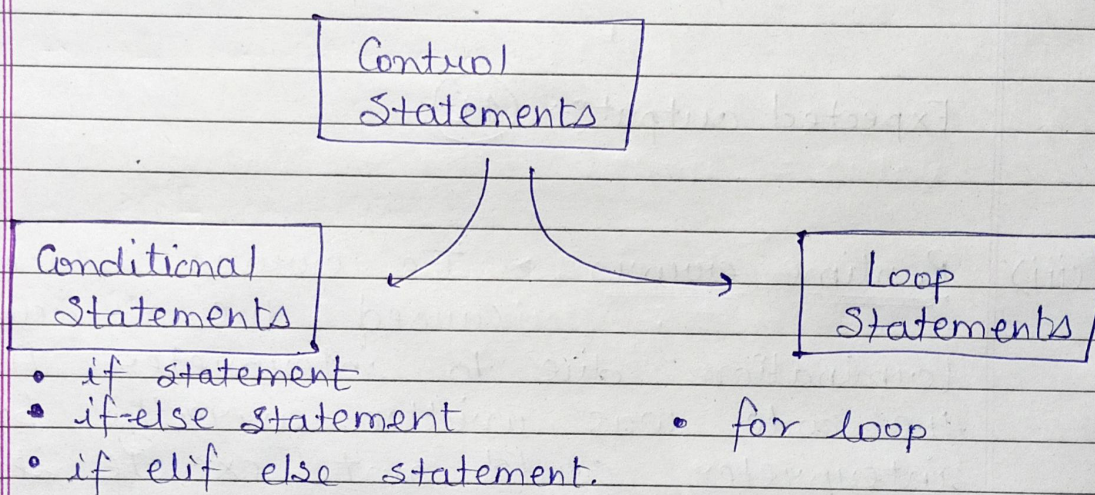




* Control Statements :->

Control Statements are the set of instructions or structured statement which has the ability to send the control of the program according to different conditions present in it.



(i) Conditional statements :->

Conditional statements allows us to perform different task on the basis of outcome of the applied condition.

↳ if statement : executes the statement if condition is true.

Syntax : if condition :
Statement.



Date.....

age = 19

Example :

```
if age >= 18 :  
    print("Eligible to VOTE")
```

- $\text{age} \geq 18 \rightarrow$ checks the condition, if it is true then, internal statement is executed.

↳ if-else statement : \rightarrow execute the statements inside if when the condition is true, otherwise execute the statements inside else (when the condition is false).

Syntax: if condition:
statements

else :
statements

Example \Rightarrow

age = 13

```
if age >= 18:
```

```
    print("Eligible to VOTE")
```

```
else:
    print("Not Eligible to VOTE")
```




↳ if...elif...else statements :→ It can check multiple conditions at a time and produce output accordingly. It ^{can have} ~~has~~ one if, multiple elif and one else.

Number of elif depends upon the number of condition to be checked.

Syntax :- \rightarrow if condition 1 :
Statements

elif condition 2:
Statements

[illegible]

elif condition n:
statements

else :
Statements



Example :

$n = 6$

if $n > 0$:

print("Number is positive")

elif $n < 0$:

print("Number is negative")

else:

print("Number is zero")