Looping Statements

Whenever we have to repeat certain statement several times is called loop.

Advantages :-

* Fast execution
* Reusability
* Decrease Line of Codes
* Memory Space Less

Types :-

* while
* do-while
* for

While-loop :-

It is a pre-test loop, it is used when we don’t know the number of iterations in advance. It is also known as entry control loop.

while(condition) {

//code block to be executed

}

Do-While-loop :-

It is a post-test loop, it is used when we want to execute loop body at least once even condition is false. It is also known as exit control loop.

do{

//code block to be executed

} while(condition)

For-loop :-

It is the most commonly used loop, it is used when we want to perform initialization, condition, increment and decrement operation in single line.

for(initialization; condition; increment/decrement){

//code block to be executed

}

Nested-For-loop :-

A for loop which contain inside for loop is called nested for loop.

for(initialization; condition; increment/decrement) {

for(initialization; condition; increment/decrement) {

//code block to be executed

}

//code block to be executed

}