Looping statement

Definition:

* Looping statements are the statements that execute one or more statement repeatedly several number of times.
* If we want to execute statement multiple times then we use looping statement.
* Until the condition satisfy loop will be execute.
* They are four types of looping statement

while

* First check condition then statement execute.
* Until condition becomes false statement execute.

Syntax:

while (condition) {

//statements

}

do-while

* First statement execute next condition check and then onwards based on condition statement will execute.
* If condition false also minimum one time statement execute.

Syntax:

do {

//Statement;

} while (condition);

For

Syntax:

for (initialisation; condition; updation) {

//statement

}

* 1st execute initialisation
* If you want to use initialisation value outside loop we need to define a variable before for loop
* 2and execute condition until become false
* next it will print statement
* next value updation
* Next again check condition.

4. For-each / extended for loop

* To access arrays and collections in easy way.

Syntax:

for (datatype varname: arrayOrCollection)

{

//statements;

}

Datatype -->which type of array we are going to read that datatype we are using.

for each loop is designed to iterate the array values or collections values.

By default for each loop perform increment.

Initiation -->array or collection starting element

Condition --> last element.