1. While Loops : while loop basically a structure of a java code which allow to run a block of java code.

While loop checks the condition 1st whether true or false then it goes to next statement

**int** i = 1;

//here i is index variable which is int (May be String or boolean)

i++ means incremental i

//it can be i-- for decremental i

1. Do while Loop: Do while Loop execute the code and then check the condition.
2. Scanner keyboardInput = **new** Scanner(System.***in***);//use of Scanner class for to get information like double, string,int
3. Array : array to store a collection of data in the array data structure. For example : String[] friends = {"Sam", "Tim", "Nam", "Lock"}; Here the total line a example of array.
4. .length is allow access the total number of data.
5. nested loop is a special character in java which allows to write a loop inside another loop.
6. Dimensional

Use of comment: comment is use to add comment in the java or coding

1. //
2. Start with /\* end with \*/ for example: /\* text \*/

8)Try catch exception: by using try catch statement we catch the invalid exception while the program is still running. For example:

**try** { // by using try catch statement we catch the exception

Double num = keyboardInput.nextDouble();

System.***out***.println(num);

} **catch**(Exception e) {

// here Exception is class in java for most part it works as a data types in java

// e is the name of that Exception.

System.***out***.println("Invalid Input");

}

Exception catch only exception

Error catch only Error

Throwable catch the Error AND Exception both.( but java recommend not to use throwable)