**Date: 07/01/2020**

**Tuesday**

**WAP to find out the number of classes created in a java program.**

When an object is created its constructor is always called. If we keep on tracking how many times the constructor has been called, we could find the number of objects has been created.

For that we are keeping a counter on the constructor and it will get incremented on each constructor call.

Make this counter as static because it should be accessed and incremented by every object.

Program

class CountingObjects

{

static int counter;

CountingObjects()

{

counter++;

}

public static void main(String args[])

{

CountingObjects ob1 = new CountingObjects();

CountingObjects ob2 = new CountingObjects();

CountingObjects obj3 = new CountingObjects();

System.out.print("Total objects: " + CountingObjects.counter);

}

}

**How to create a read only variable in java?**

By using the keyword “final” we can make a variable read only. Final keyword is used to make a variable constant. Final variable is initialised once in its lifetime. Once it is initialized, we cannot change its value.

Public final int id=1234;

**How to create a read write variable in java?**

A Read/Write variable is a named storage that holds a data.

We can declare a variable java like ***int number=20;***

Here int is the datatype, Number is the variable name, and 20 is the initial value assigned to it.