**Assignments for core java**

**Assignment 2**

1) Write a program to find the biggest among three numbers.

2) Write a program to find the factorial of a given number using (for,while )loops

3) Create a static variable and test all possible ways of accessing it from the same class and different class

4) Using the ordinary methods try to access static variables and test what happens.

5) A Bank gives Personal loans, Home Loans on interest. Create two classes PersonalLoan, HomeLoan .

create necessary methods and attributes for setting/getting the loan percentages, LoanAmount, Number of months, Person. Create different Objects of the class and access the methods.

6) Test Method Overloading in different ways.

7) Create the following methods

hello(int i), hello(byte i) hello(short i), hello(long i)

when you call hello(5) which method is called & why.

8) Create a Student class.

1) create a default constructor

2) over load the constructor

3) Delete the default constructor keeping the overloaded constructor and test the behavior

9) Understand the difference between object reference and Object.

10) Create a Computer class by assembling Monitor, Keyboard, Mouse, CPU classes.

11) Create different types of Computer objects by assembling different types of (monitors,keyboard,mouse,cpu)

12) write a method **getCityByCode** which accepts a number and returns a string based on the following condition.

Number value :1 return “DELHI”

Number value : 2 return “NOIDA”

Number value : 3 return “GUARGAON”

Number value : 4 return “BANGLORE”

Any other number return “INVALIDCODE”