Lab Task – 5

Methods in JAVA (Solve Any 2)

1. Make a **simple calculator** using four methods (**addition**, **subtraction**, **multiplication** and **division**). Each Method will **receive the arguments** and will **return the result**. **[No-Static Method]**

2. Find the **area** of a **Circle.** Write a method which will **receive** the **radius as argument** and then will **return the area. [non-static method]**

3. Write a method named **maxValue()** which will find out the **maximum** value from **two integer** numbers. [**Static method** with **argument** and **return value**]

4. Write a method named **maxValue()** which will find out the **maximum** element from an Array. [**Static method** with **argument** and **return value**]

UML to JAVA Code (Solve Any 2)

1. Create the **Student** Class. Then create two **objects** of this class. Take User input for the instance variables.

Student
-name: String
-id: int
-cgpa: double
+insertRecord (String , int , double) : void   +displayRecord():void   +main(String[]) :void

2. Create the **Student** Class. Then create **N Number objects** of this class. Take User input for the instance variables.

Student
-name: String
-id: int
-cgpa: double
+main(String[]) :void

3. Create the **Student** Class. Then create N number of **objects** of this class. Take User input for the number of objects and the instance variables [**Array of Objects**].

Student
-name: String
-id: int
-cgpa: double
+insertRecord (String , int , double) : void   +displayRecord():void   +main(String[]) :void

Home Work

1. **Unsolved** Problems from the **Lab Task - 5**.

2. Suppose you are going to start your own company. You need to recruit some employees. Now, create a class named **"Employee"** to store the information of them**. Convert** the following **UML** into **Java** **code** and **store** information of three employees.

Employee
-name: String   -id: String   -age: int   -salary: double
+setEmpNameId(String ,String) : void   +setEmpAge(int) : void   +setEmpSalary(double) : void   +display_Info():void   +main(String) : void