JAVA PRACTICAL ASSIGNMENT-3

1) Write a Java Program that has a class called "Employee"
   a. Create constructor to initialize Empid, Empname, designation and DOB.
   b. Create a method called Empdetails() that will display above details.

2) Write a Java Program that has a class called "Shape"
   a. shape(int h, int width).
   b. shape(int h, int width, int breadth).
   c. create a method called Area that will calculate the area of above data members.

3) Write a Java Program to demonstrate the concept of constructor overloading:
   a. Create a class called studentdata with fields like int rollno, string sname, int cyear.
   b. Create a default constructor that will set id=0,name="new student", cyear=0;
   c. Create a paramterized constructor that have three parameters(int id, string name,int cyear) (1,"ABC",1)
   d. Create three methods 1. SetRollno(int) 2 setName(string name) 3.setYear(int year)
   e. Create a method that will display all the details.

4) Write a Java Program "Mychain" that will show the concept of constructor chaining
   1. public Mychain()
      {
              "default constructor called" has to displayed here
      }
   2. public Mychain(int i,int j)
      {
              This constructor will initialize and call i,j and displayed " Parameterized constructor called"
      }

3. public Mychain(int i)
   {
         That will initialize only one variable and display "one parameterized constructor" called
   }

5) Write a Java Program that has a class called Box
   1. public Box()
      {
      }
   2. public Box(int n)
      {
      }
   3. public Box(int l,int b,int h)
      {
      }
   4. Volume method that will calculate the volume of the box

6) Write a Java Program which shows the use of Static Members.

7) Write a Java Program which shows the use of Static block.

8) Write a Java Program which shows the use of Static Method.

9) Write a Java Program which shows the use of Inner Class (Using Static Inner Class).

10) Write a Java Program which shows the use of this keyword in constructor.

11) Write a Java Program which explains the concept of Single Inheritance.

12) Write a Java Program which explains the concept of Multilevel Inheritance.

13) Write a Java Program which explains the concept of Hierarchical Inheritance.

14) Write a Java Program which shows the use of Method Overriding.

15) Write a Java Program which implements the final variable, final class and final method.

16) Write a Java Program which implements abstract class and abstract method.

17) Write a Java Program which implements Interface.

18) Write a Java Program which implements Multiple Interface.