**LAB 07 Tasks**

**Note: Follow the submission instructions**

1. Create a class with a method that prints **"This is parent class**" and its subclass with another method that prints **"This is child class".** Now, create an object for each of the class and call  
   1 - method of parent class by object of parent class  
   2 - method of child class by object of child class  
   3 - method of parent class by object of child class
2. Create a class named **'Member'** having the following attributes/data members:  
   1 - Name  
   2 - Age  
   3 - Address  
   4 - Salary  
   It also has a method named **'printSalary'** which prints the salary of the members.  
   Two classes **'Employee'** and **'Manager'** inherits the **'Member'** class. The **'Employee'** and **'Manager'** classes have data members **'specialization'** and **'department'** respectively. Now, assign ***name, age, address and salary*** to an employee and a manager by making an object of both of these classes and print the same.
3. Create a class named **'Rectangle'** with two data members **'length' and 'breadth'** and two methods to print the **area and perimeter** of the rectangle respectively. Its constructor having parameters for **length and breadth** is used to initialize length and breadth of the rectangle.  
   Let class **'Square'** inherit the **'Rectangle'** class with its constructor having a parameter for its **side** (suppose s) calling the constructor of its parent class as **'super(s,s)'**. Print the area and perimeter of a rectangle and a square.

**Area = length \* breadth  
Perimeter = 2 \* (length + breadth)**

1. Create a class named **'Shape'** with a method to print **"This is shape".** Then create two other classes named **'Rectangle'**, **'Circle'** inheriting the Shape class, both having a method to print **"This is rectangular shape"** and **"This is circular shape"** respectively. Create a subclass **'Square'** of **'Rectangle'** having a method to print **"Square is a rectangle".** Now call the method of **'Shape'** and **'Rectangle'** class by the object of **'Square'** class.