1. Create a class named Employee with the following details

Data members:

1. name (b) address (c) age (d) gender

Methods :

(a ) Display () to show the employee details

Create another class FullTimeEmployee that inherits the Employee class :

Data members :

1. Salary Designation

Method :

1. Display () to show the salary and designation along with other employee details.

Create another class PartTimeEmployee that inherits the Employee class :

Data members :

1. Workinghours rateperhour

Methods :

1. caluculatepay() to caluculate the amount payable
2. display() to show the amount payable along with the employee details.

Create objects of these classes and call their methods .use appropriate constructors

1. Create a class Emp with the fields eno,ename,company\_name. Take the company\_name as a static variable. Write a method set() to set the values and print the information using display() method
2. Create a base class called person

with SSN  and name as data types with getdata and display as member functions. Derive a  new class called student with rollno, branch,mark1,mark2,mark3 as datamembers and getdata and display  as member functions and finally derive a new  class called grade from student class in that calculate the average for marks and display the  grade for the  student

            a. A grade >=90%

            b. B grade>=80%

            c. C grade>=70%

d. Less than 70% fail.

1. Create a class cuboid with the variables length, breadth and height. Set the values to these

variables using default and parametersied constructors. Compute the volume of the cuboid and display the information.

1. Create a class Q with a variable q and consider default constructor for setting to q. Create a subclass R with a variable r and consider default constructor for setting to r. Create a subclass to R as S with a variable s and consider a default constructor for setting for s. Create a display function in each of the classes. Create a main method to call the functions
2. Create a class A with the variables x,y. Create a method to set the date to x and y. Create a subclass B with the variable z. create a method to set the data to z. Write a method to display the information.
3. Create a class person with the filed firstname, lastname. Use parameterized method to set the values to the variables at runtime. Create sub class Employee with the variable eno, edept, esal. Create parameterized method for setting the data and default method for display the information.
4. Write a program to ask the user to enter the percentage of marks in III semester. If the

percentage entered is less than 50, raise an IneligibleException to inform them that he is not

eligible for placements. Otherwise Print his percentage.

1. Write a program to raise ArrayIndexOutOfBoundsException to access an element in the array which is not there in it.
2. Create a thread that display area of square and another thread to display volume of cuboid 10 times for every 2 and 3 seconds respectively
3. Create multiple threads for the following cases:

a. Create four threads that prints even numbers, odd numbers, prime numbers, natural numbers upto that number

b. Assign Priorities to the program

1. Sometimes it's better to use dynamic size arrays. Java's Arraylist can provide you this feature. Try to solve this problem using Arraylist.

You are given n lines. In each line there are zero or more integers. You need to answer a few

queries where you need to tell the number located in yth position of xth line.

Take your input From System.in

1. A java program to implement multiple inheritance through interface.
2. Write a Java class InformationExtraction which contains the following information

Fields: Name, Gender(use char datatype), Age, Mobile number, CGPA

Create methods storelnformation() and displaylnformation() to set and display the fields of information of student.

1. Create a class Person with the fields first name and last name. Set the data and print it. Create two subclasses employee and staff with the variables and methods:

Employee:

Variables: eno, esal, designation

Methods: setEmployee(int, double, String) and displayEmployee()

Staff:

Variable: sno,experience

Methods:setStaff(int,int) and displayStaff()

Create a class to access the information of all.

1. Create a class Polygon with variables l,b,h. Create a method set() to read the data. Create an abstract method compute(). Create a subclass rectangle to find the area of the rectangle. Create another subclass cuboid to compute the volume of the cuboid. Test the class by creating a main method.
2. A java program to implement the arraylist by adding elements of string datatype and to display the string at the specific index.
3. A java program for the implementation of bank interface by using java interface which provides the implementation of Bank interface.