

B.Tech Second Year (2015-19 CS)
JWT Lab
Lab Assignment #2

1. Write a java program for the following try to use abstract class



2. The Employee information you must track is as follows:

- Name
- Sex
- Job Title
- Organization they work for
- Birthday

The Student information you must track is as follows:

- Name
- Sex
- Year
- Institute in which they study
- Birthday

As for the Organization that the Employee works for, you must also track this information:

- Institute Name
- Number of Employees
- Number of Students

The system must be able to properly compare any two employees against each other to determine if they are the same Person. This means that if you compared two People with the same Name, Sex, Birthday and Organization, the system should think that they are equals to one another. If any of these properties are different, then the two People are not the same Person.

The same rules apply to comparing Organizations to one another. Organizations with the same Organization name are to be thought of as equal, different names means different organizations.

3. Create a class named Employee with the following details:

Data members: name, address, age, gender

Method: display() to show the employee details

Create another class FulltimeEmployee that inherits the Employee class

Data members: salary, designation

Method: display() to show the salary and designation along with other employee details.

Create another class ParttimeEmployee that inherits the Employee class

Data members: workingHours, ratePerHour

Methods: calculatePay() to calculate amount payable.

display() to show the amount payable along with other employee details .

Create another class commissionEmployee that inherits the Employee class

Data members: commissionAmountonSale;

Methods: calculatePay() to calculate amount payable.

display() to show the amount payable along with other employee details.

4. Program to implement the following multi-level inheritance.

