Q1) Write a Program to Sort the Employee Details according to their salary and if salaries are same then

sort them according to their name ,

Employee.java :- this should be the java bean class with following fields:-

private int id;

private String name;

private String address;

private int salary

//create zero argument constructor

//create parameterized constructor with all fields

//override toString() method with all fields

Demo.java:-

public class Demo{

public static void main(String[] args){

List&lt;Employee&gt; employees=new ArrayList&lt;&gt;();

//add 5 Employee object to the above List

//using Collections.sort() method to sort the Employee

//create the Comparator object by using Lambda expression

//print all the 5 sorted Employee object.

}

}

Q2) write a program to get the details of the Students in the form of following pattern:

“roll:name:marks”

Ex:- “10:John:800”

Student Result is Pass if marks &gt;= 500 else Student Result is : Fail

Print the details of the Student in this following pattern :=

Student Roll is : 10

Student Name is : John

Student Marks is : 800

Student Result is : Pass

Demo.java:-

package com.cg.app;

import java.util.Scanner;

public class Demo{

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

System.out.println(&quot;Enter the Student Details in &#39;roll:name:marks&#39; pattern&quot;);

String details = sc.nextLine();

//write the logic

}

}

Q3) write a program to remove the duplicate city Employee from the

List of Employee ?

public List&lt;Employee&gt; removeDuplicateEmployee(List&lt;Employee&gt; employees){

}

Employee.java:- create Employee bean class with following details:-

private int id;

private String name;

private String address;

private double salary;

//zero argument constructor

//parameterized constructor with all fields

//public getter and setter methods of all fields

//override equal() metods

//override hashCode() method

//override toString() method with all fields

Q 4) implement the following method with JPA code to insert the Employee record inside the

“employee” table:-

public boolean saveEmployeeDetails(int id,String name,String address,int salary);

employee table :-

id integer primary key,

name text,

address text,

salary integer

Database details :-

Database name :- demodb;

Username :- root

Password :- password

Connection URL :-

“jdbc:mysql://localhost:5432/demodb”;

Driver class Name :- “com.mysql.jdbc.Driver”;

Demo.java:-

public class Demo{

public boolean saveEmployeeDetails(int id,String name,String address,int salary){

//loading the Driver

try{

Class.forName(“org.postgres.Driver”);

}catch(ClassNotFoundException cnfe){

cnfe.printStackTrace();

}

//write the code to establish the connection according to the above database details

//save the supplied details into the employee table.

}

}