MID LAB EXAM

Advanced programming lab(CSE 332)

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Code:

```java
package JavaLabMid;

public class BUBT extends Faculty implements Staff{

public class BUBT(){}

Faculty faculty = new Faculty();

public void displayInfo(){}

public void calculateCategories(){}

}
```

Faculty class

```java
package JavaLabMid;

public class Faculty {

private String name;

private String address;

private double f_contact;

private String department;

private String joining_date;

private double salary;

private String designation;

public void setName(String nameGiven){

name = nameGiven; }
```

```java
public void setAddress(String addressGiven){
address = addressGiven; }
public void setF_contact(double f_contactGiven){
f_contact = f_contactGiven; }
public void setDepartment(String departmentGiven){
department = departmentGiven; }

public void setJoining_date(String joining_dateGiven){
joining_date = joining_dateGiven; }
public void setSalary(double salaryGiven){
salary = salaryGiven; }
public void setDesignation(String designationGiven){
designation = designationGiven; }
void displayInfo(){
System.out.println("Name :"+name);
System.out.println("Address :"+address);
System.out.println("F_Contact :"+f_contact);
System.out.println("Department :"+department);
System.out.println("Joining date :"+joining_date);
System.out.println("Salary :"+salary);
System.out.println("Designation :"+designation);
} }
```

Staff

```java
package JavaLabMid;
/**
 *
 * @author Syeda Nowshin Ibnat
 */
public class Staff {
String name;
String address;
double scontact;
String department;
String joining_date;
double salary;
String designation;
void displayInfo(){
System.out.println("Name :"+name);
System.out.println("Address :"+address);
System.out.println("SContact :"+scontact);
System.out.println("Department :"+department);
System.out.println("Joining date :"+joining_date);
System.out.println("Salary :"+salary);
System.out.println("Designation :"+designation);
}}
```

Students

```java
package JavaLabMid;

public class Students {

private double id;

private String name;

private double cgpa;

private String address;

private int session;

private int total_num_of_course_completion;


public Students(double id, String name, double cgpa, String address, int session,
int total_num_of_course_completion){

this.id;

this.name;

this.cgpa;

this.address;

this.session;

this.total_num_of_course_completion; }

public double getId(){

return id; }

public void setId(double id){

this.id = id; }

public String getName(){

return name;  }

public void setName(String name){
```

```java
this.name = name; }

public double getCgpa(){

return cgpa; }

public void setCgpa(double cgpa){

this.cgpa = cgpa; }


public String getAddress(){

return address;  }

public void setAddress(String address){

this.address = address; }

public int getSession(){

return session; }

public void setSession(int session){

this.session = session; }

public int getTotal_num_of_course_completion(){

return total_num_of_course_completion; }

public void setTotal_num_of_course_completion(int
total_num_of_course_completion){

this.total_num_of_course_completion = total_num_of_course_completion; }


public void displayInfo(){

System.out.println("ID :"+getId());

System.out.println("Name :"+getName());
```

```java
System.out.println("CGPA :"+getCgpa());

System.out.println("Address :"+getAddress());

System.out.println("Session :"+getSession());

System.out.println("TNCC :"+getTotal_num_of_course_completion());

}}
```

Override

```java
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package JavaLabMid;

/**
 *
 * @author Syeda Nowshin Ibnat
 */
public class Override {
     /////
   public static void main (String[] args){
      System.out.println("Staff infos");
```

```java
Staff s1 = new Staff();

s1.name = "Saiful Islam";

s1.address = "Mirpur-2,Dhaka";

s1.contact = 1282;

s1.department = "Dept. of CSE";

s1.joining_date = "11th july,2018";

s1.salary = 40000;

s1.designation = "Guard";


s1.displayInfo();

/////
System.out.println("Faculty infos");

Faculty f1 = new Faculty();

f1.name = "Nila Haque";

f1.address = "Dhanmondi,Dhaka";

f1.contact = 2752;

f1.department = "Dept. of CSE";

f1.joining_date = "11th july,2009";

f1.salary = 70000;

f1.designation = "Assistant Teacher";


f1.displayInfo();
```

```java
        /////
        System.out.println("Students infos");

        Students st1 = new Students();

        st1.id = 567;

        st1.name = "Anika tabassum";

        st1.cgpa = 3.89;

        st1.address = "Mirpur-10, Dhaka";

        st1.session = 2018-2022;

        st1.total_num_of_course_completion = 40;



        st1.displayInfo();


    }
}
```