OBJECT ORIENTED PROGRAMMING LAB

Name: Justin V Kalappura

Roll No: 10

Batch: S2 RMCA-B

Date: 23/05/2022

Experiment No.: 11

Aim:

Create a class 'Employee' with data members Empid, Name, Salary, Address and constructors to initialize the data members. Create another class 'Teacher' that inherit the properties of class employee and contain its own data members department, Subjects taught and constructors to initialize these data members and also include display function to display all the data members. Use array of objects to display details of N teachers.

Procedure:

```java
import java.util.Scanner;
class Employeee
{   int e_id;
    String e_name,e_address;
    double e_sal;
    Employeee(int id, String name, double sal, String address)
    {   e_id=id;
        e_name=name;
        e_address=address;
        e_sal=sal;
    }
    void display()
    {   System.out.println("Employe Name = "+e_name);
        System.out.println("Employe Salary = "+e_sal);
        System.out.println("Employe Address = "+e_address);
    }
}
class Teacher extends Employeee
```

```java
{   String t_dept, t_sub;
    Teacher(String dept, String sub, String name,int id, String address, double sal)
    {   super(id, name, sal, address);
        t_dept=dept;
        t_sub=sub;
    }
    void display()
    {   System.out.println("\nDepartment = "+t_dept);
        System.out.println("Subject = "+t_sub);
        System.out.println("Employee Id = "+e_id);
        System.out.println("Employee Name = "+e_name);
        System.out.println("Employee Salary = "+e_sal);
        System.out.println("Employee Address = "+e_address);
    }
}
public class Arrofobj
{   public static void main(String[] args)
    {   int count,id;
        String name,dept,sub,address;
        double sal;
        Scanner s=new Scanner(System.in);
        System.out.print("Enter the number of Teachers :");
        count=s.nextInt();
        Teacher [] obj=new Teacher[count];
        for(int i=0;i<count;i++)
        {   System.out.print("Enter the Emp name :");
            name=s.next();
            System.out.print("Enter the Id :");
            id=s.nextInt();
```

```
            System.out.print("Enter the Address :");

            address=s.next();

            System.out.print("Enter the Salary :");

            sal=s.nextInt();

            System.out.print("Enter the Department :");

            dept=s.next();

            System.out.print("Enter the Subject :");

            sub=s.next();

            obj[i]=new Teacher(dept, sub, name, id, address, sal);

        }

      for(int i=0;i<count;i++)

      {   obj[i].display();

      }

   }

}
```
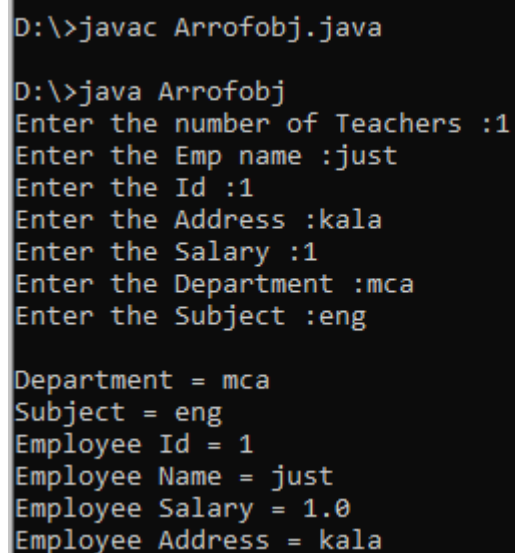
Output Screenshot:

```
D:\>javac Arrofobj.java

D:\>java Arrofobj
Enter the number of Teachers :1
Enter the Emp name :just
Enter the Id :1
Enter the Address :kala
Enter the Salary :1
Enter the Department :mca
Enter the Subject :eng

Department = mca
Subject = eng
Employee Id = 1
Employee Name = just
Employee Salary = 1.0
Employee Address = kala
```