**Name: Malavika A**

**Roll No: 16**

**Batch: RMCA B**

**Date: 17/05/2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 2**

**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**

class Employee{

int Empid;

String Name;

int Salary;

String Address;

Employee(int eid,String Name,int Sal,String Add){

Empid=eid;

this.Name=Name;

Salary=Sal;

Address=Add;

}

}

class Teacher extends Employee{

String Department;

String Subject\_taught;

Teacher(int eid,String Name,int Sal,String Add,String Dep,String Sub){

super(eid,Name,Sal,Add);

Department=Dep;

Subject\_taught=Sub;

}

public void display(){

System.out.println("The Employee id :"+Empid);

System.out.println("The Employee Name :"+this.Name);

System.out.println("The Employee Salary :"+Salary);

System.out.println("The Employee Address :"+Address);

System.out.println("The Department :"+Department);

System.out.println("The Subject taught :"+Subject\_taught);

}

}

class Emp{

public static void main(String args[]){

Teacher emp1= new Teacher(101,"Aby",15000,"KOttayam","CS","Java");

System.out.println("\*\*\*\*\*\*\*EMP1\*\*\*\*\*\*\*\*");

emp1.display();

System.out.println(" ");

Teacher emp2= new Teacher(102,"Ann",15000,"Kannur","MCA","DBMS");

System.out.println("\*\*\*\*\*\*\*EMP2\*\*\*\*\*\*\*\*");

emp2.display();

System.out.println(" ");

Teacher emp3= new Teacher(103,"Iva",25000,"Idukki","Maths","Statistics");

System.out.println("\*\*\*\*\*\*\*EMP3\*\*\*\*\*\*\*\*");

emp3.display();

}

}

**OUTPUT**

