

OBJECT ORIENTED PROGRAMMING LAB**Experiment No: 11****Name: Manya Madhu****Roll No: 17****Batch: S2 RMCA B****Date: 17-05-2022****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:

```
C:\Users\Student\Documents>javac Emp.java

C:\Users\Student\Documents>java Emp
*****EMP1*****
The Employee id :101
The Employee Name :Aby
The Employee Salary :15000
The Employee Address :Kottayam
The Department :CS
The Subject taught :Java

*****EMP2*****
The Employee id :102
The Employee Name :Ann
The Employee Salary :15000
The Employee Address :Kannur
The Department :MCA
The Subject taught :DBMS

*****EMP3*****
The Employee id :103
The Employee Name :Iva
The Employee Salary :25000
The Employee Address :Idukki
The Department :Maths
The Subject taught :Statistics

C:\Users\Student\Documents>
```