## OBJECT ORIENTED PROGRAMING LAB

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Roll No: 45

Batch: S2 MCA

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## 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

import java.util.Scanner;

 class Employee {

   int Empid;

   String Name;

   double Salary;

   String Address;

   Employee(int no, String na, double sal, String add) {

     this.Empid = no;

     this.Name = na;

     this.Salary = sal;

     this.Address = add;

   }

}

public class Teacher extends Employee{

 String dept;

 String subject;


 Teacher(int no, String na, double sal, String add, String dep, String sub){

    super(no,na,sal,add);

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    this.dept= dep;

    this.subject=sub;

  }


 void display(){

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

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

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

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

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

   System.out.println("Subject: "+subject);

 }
 public static void main(String[] args) {

   System.out.println("\nEnter the No. of Employee's");

   Scanner sc = new Scanner(System.in);

   int num = sc.nextInt();

   Teacher arr[]=new Teacher[num];

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

   {

     System.out.println("\nEnter Employee id: ");

     int Empid=sc.nextInt();

     System.out.println("\nEnter Employee Name: ");

     String Name=sc.next();

     System.out.println("\nEnter Salary: ");

     double Salary=sc.nextDouble();

     System.out.println("\nEnter Address: ");

     String Address=sc.next();

     System.out.println("\nEnter department: ");

     String dept=sc.next();
```

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        System.out.println("\nEnter Subject: ");

        String subject=sc.next();

        arr[i]=new Teacher(Empid,Name,Salary,Address,dept,subject);



    }
    System.out.println("\n********Informations of all the employee's************");
    for(int i=0;i<num;i++){

        int j=i+1;

        System.out.println("\n"+j+").");

        arr[i].display();


            }


        }
}
```

## Output Screenshot

```
C:\Users\Student\Desktop>javac Teacher.java

C:\Users\Student\Desktop>java Teacher

Enter the No. of Employee's
1

Enter Employee id:
100

Enter Employee Name:
Susan

Enter Salary:
1222

Enter Address:
ghdf

Enter department:
mca

Enter Subject:
it

*********Informations of all the employee's*************

1).
Employee id: 100
Name: Susan
Salary: 1222.0
Address: ghdf
Department: mca
Subject: it
```