

**OBJECT ORIENTED PROGRAMMING LAB****Experiment No: 11****Name: Mathew Sebastian****Roll No: 18****Batch: S2 RMCA B****Date: 18-05-2022****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**

```
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;
    }
}

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);
        this.dept= dep;
        this.subject=sub;
    }

    void display(){
        System.out.println("Employee id: "+Empid);
        System.out.println("Name: "+Name);
    }
}
```

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```
System.out.println("Salary: "+Salary);
System.out.println("Address: "+Address);
System.out.println("Department: "+dept);
System.out.println("Subject: "+subject);
}
}
public class Main{
public static void main(String[] args) {
System.out.println("\nEnter the Number of Employee's");
Scanner sc1 = new Scanner(System.in);
int num = sc1.nextInt();
Teacher arr[]=new Teacher[num];
for(int i =0;i<num;i++)
{
Scanner sc =new Scanner(System.in);
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();
System.out.println("\nEnter Subject: ");
String subject=sc.next();
arr[i]=new Teacher(Empid,Name,Salary,Address,dept,subject);

}
System.out.println("\nInformations of all the employee's");
for(int i=0;i<num;i++){
int j=i+1;
System.out.println("\n"+j+").");
arr[i].display();

}
sc1.close();
}
}
```

## Output Screenshot

```
Enter Subject:
load
*****Informations of all the employee's*****
1).
Employee id: 33
Name: alan
Salary: 20000.0
Address: delhi
Department: chemical
Subject: works
2).
Employee id: 46
Name: alex
Salary: 4000.0
Address: mumbai
Department: food
Subject: work
3).
Employee id: 56
Name: libin
Salary: 46780.0
Address: kochi
Department: transport
Subject: load
D:\>
```