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**Batch: MCA-B**

**Date:18/05/2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No: 9**

**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 Employees {

int Empid;

double Salary;

String Name;

String Address;

Employees(int id,String name,String addr,double salary){

this.Empid = id;

this.Name = name;

this.Address = addr;

this.Salary = salary;

}

void display(){

System.out.println("EmpID : " + this.Empid);

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

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

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

}

}

class Teacher extends Employees{

String Department;

String Subject;

Teacher(String dept,String sub,int id,String name,String addr,double salary){

super(id,name,addr,salary);

this.Department=dept;

this.Subject=sub;

}

void display(){

System.out.println(".....................................");

super.display();

System.out.println("Dept Name : " + this.Department);

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

System.out.println(".....................................");

}

}

public class Main{

public static void main(String[] args) {

int count,id;

double salary;

String name,dept,sub,addr;

Scanner s=new Scanner(System.in);

System.out.println("Enter the number of Teachers");

count=s.nextInt();

Teacher obj[] = new Teacher[count];

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

System.out.println("Enter the Emp name");

name=s.next();

System.out.println("Enter the id");

id=s.nextInt();

System.out.println("Enter the address");

addr=s.next();

System.out.println("Enter the salary");

salary=s.nextInt();

System.out.println("Enter the department");

dept=s.next();

System.out.println("Enter the subject");

sub=s.next();

obj[i]=new Teacher(dept,sub, id, name, addr, salary);

}

System.out.println("Employee Details");

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

obj[i].display();

}

}

}

**Output Screenshot**

