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* **Exp-1**
* **Roll No. – 23**
* **Class – S.Y.B.tech(B)**
* **Batch – B2**

**Problem Statement –**

Create a class called Employee that includes three pieces of information as instance

variables- first name, a last name and a monthly salary. Your class should have a constructor

that initializes the three instance variables. Provide a set and a get method for each instance

variable. If the monthly salary is not positive, set it to 0.0. Write a test application named

EmployeeTest that demonstrates class Employee&#39;s capabilities. Create two Employee objects

and display each object&#39;s yearly salary. Then give each Employee a 10% raise and display

each Employee&#39;s yearly salary again.

**Program –**

import java.util.Scanner;

class Employee{

private String firstName;

private String lastName;

private double monthlySalary;

public Employee() {

firstName="";

lastName="";

monthlySalary=0.0;

}

public String getFirstName() {

return firstName;

}

public void setFirstName(String firstName) {

this.firstName = firstName;

}

public String getLastName() {

return lastName;

}

public void setLastName(String lastName) {

this.lastName = lastName;

}

public double getMonthlySalary() {

return monthlySalary;

}

public void setMonthlySalary(double monthlySalary) {

this.monthlySalary = monthlySalary;

}

}

public class EmployeeTest{

Scanner sc=new Scanner(System.in);

String firstName;

String lastName;

double monthlySalary;

double yearlySalary;

public void getValues(){

System.out.println("Enter First Name : ");

firstName=sc.nextLine();

System.out.println("Enter Last Name : ");

lastName=sc.nextLine();

System.out.println("Enter Employee Salary : ");

monthlySalary=sc.nextInt();

sc.nextLine();

}

public static void main(String[] args) {

EmployeeTest e1=new EmployeeTest();

Employee Emp1=new Employee();

System.out.println("Enter data for Employee 1 ");

e1.getValues();

Emp1.setFirstName(e1.firstName);

Emp1.setLastName(e1.lastName);

Emp1.setMonthlySalary(e1.monthlySalary);

e1.yearlySalary=Emp1.getMonthlySalary()\*12.0;

System.out.println("Yearly Salary of "+ Emp1.getFirstName() + " " + Emp1.getLastName() +" is " + e1.yearlySalary );

e1.yearlySalary+=e1.yearlySalary\*0.1;

System.out.println("Yearly Salary of "+ Emp1.getFirstName() + " " + Emp1.getLastName() +" after 10% raise is " + e1.yearlySalary );

System.out.println();

Employee Emp2=new Employee();

System.out.println("Enter data for Employee 2 ");

e1.getValues();

Emp2.setFirstName(e1.firstName);

Emp2.setLastName(e1.lastName);

Emp2.setMonthlySalary(e1.monthlySalary);

e1.yearlySalary=Emp2.getMonthlySalary()\*12.0;

System.out.println("Yearly Salary of "+ Emp2.getFirstName() + " " + Emp2.getLastName() +" is " + e1.yearlySalary );

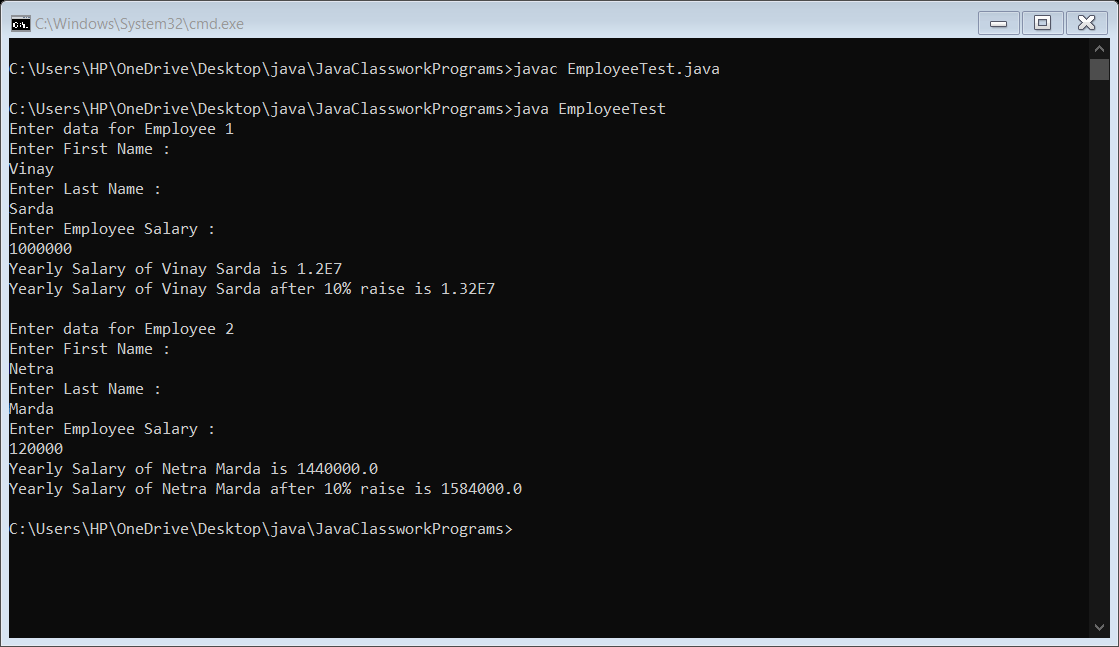
e1.yearlySalary+=e1.yearlySalary\*0.1;

System.out.println("Yearly Salary of "+ Emp2.getFirstName() + " " + Emp2.getLastName() +" after 10% raise is " + e1.yearlySalary );

}

}

**Output –**

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