

Assignment 02

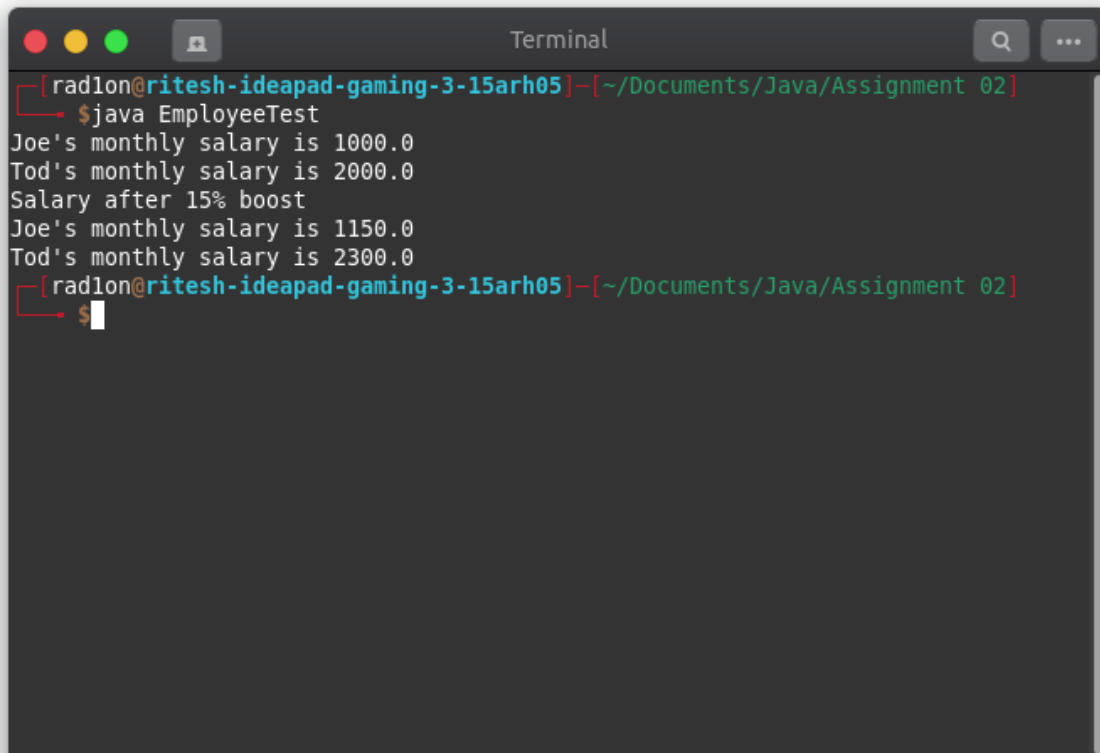
Ritesh Ram Wanave

Java Programming

Code-

```
1 public class Employee {
2     private String firstName;
3     private String lastName;
4     private double monthlySalary;
5
6     public Employee(String firstName, String lastName, double monthlySalary) {
7         this.firstName = firstName;
8         this.lastName = lastName;
9         if (monthlySalary >= 0) {
10             this.monthlySalary = monthlySalary;
11         }
12     }
13
14     public void setFirstName(String firstName) {
15         this.firstName = firstName;
16     }
17
18     public String getFirstName() {
19         return firstName;
20     }
21
22     public void setLastName(String lastName) {
23         this.lastName = lastName;
24     }
25
26     public String getLastName() {
27         return lastName;
28     }
29
30     public void setMonthlySalary(double monthlySalary) {
31         if (monthlySalary >= 0) {
32             this.monthlySalary = monthlySalary;
33         }
34     }
35
36     public double getMonthlySalary() {
37         return monthlySalary;
38     }
39 }
40
41 public class EmployeeTest {
42     public static void main(String[] args) {
43         Employee joe = new Employee("Joe", "Rogan", 1000);
44         Employee tod = new Employee("Tod", "Howard", 2000);
45         System.out.println(joe.getFirstName() + "'s monthly salary is " + joe.getMonthlySalary());
46         System.out.println(tod.getFirstName() + "'s monthly salary is " + tod.getMonthlySalary());
47         joe.setMonthlySalary(joe.getMonthlySalary() * 1.15);
48         tod.setMonthlySalary(tod.getMonthlySalary() * 1.15);
49         System.out.println("Salary after 15% boost");
50         System.out.println(joe.getFirstName() + "'s monthly salary is " + joe.getMonthlySalary());
51         System.out.println(tod.getFirstName() + "'s monthly salary is " + tod.getMonthlySalary());
52     }
53 }
```

Output-

A screenshot of a macOS Terminal window. The title bar at the top says "Terminal" and includes standard window controls (red, yellow, green buttons) and a search icon. The terminal text shows a user running a Java program. The prompt is [radlon@ritesh-ideapad-gaming-3-15arh05] and the directory is ~/Documents/Java/Assignment 02. The command executed is \$java EmployeeTest. The output consists of five lines: "Joe's monthly salary is 1000.0", "Tod's monthly salary is 2000.0", "Salary after 15% boost", "Joe's monthly salary is 1150.0", and "Tod's monthly salary is 2300.0". The prompt returns to [radlon@ritesh-ideapad-gaming-3-15arh05] and the command line shows \$ with a cursor.

```
[radlon@ritesh-ideapad-gaming-3-15arh05]~/Documents/Java/Assignment 02
$java EmployeeTest
Joe's monthly salary is 1000.0
Tod's monthly salary is 2000.0
Salary after 15% boost
Joe's monthly salary is 1150.0
Tod's monthly salary is 2300.0
[radlon@ritesh-ideapad-gaming-3-15arh05]~/Documents/Java/Assignment 02
$
```