

Complete the following program to determine the raise and new salary for an employee by adding if ... else statements to compute the raise. The input to the program includes the current annual salary for the employee and a number indicating the performance rating (1=excellent, 2=good, and 3=poor). An employee with a rating of 1 will receive a 6% raise, an employee with a rating of 2 will receive a 4% raise, and one with a rating of 3 will receive a 1.5% raise. Correct logical errors if occurred.

```
// *****
// Salary.java
// Computes the raise and new salary for an employee
// *****

import java.util.Scanner;
public class Salary
{
    public static void main (String[] args)
    {
        double currentSalary; // current salary declaration
        int rating; // performance rating
        double raise; // dollar amount of the raise
        Scanner scan = new Scanner(System.in);
        // Get the current salary and performance rating
        System.out.print ("Enter the current salary: ");
        currentSalary = scan.nextDouble();
        System.out.print ("Enter the performance rating: ");
        rating = scan.nextInt();
        // Compute the raise based on rating -- Use if ... else ...

        // Print the results
        System.out.println ("Amount of your raise: $" + raise);
        System.out.println ("Your new salary: $" + currentSalary + raise);
    }
}
```

### Solution

```
raise = 0; //if the rating not 1, 2, or 3, then no raise is added
if (rating == 1)
    raise = currentSalary * 0.06;
if (rating == 2)
    raise = currentSalary * 0.04;
if (rating == 3)
    raise = currentSalary * 0.015;
```

### Correct logical error

```
System.out.println ("Your new salary: $" + (currentSalary + raise));
```