

CASE NO. 1

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Case1Angulo.java

import java.util.Scanner;

public class Case1Angulo {
    public static void main(String[] args) {
        Scanner kb = new Scanner(System.in);

        int yearsOfService, performanceRating;
        double salary, bonus = 0;

        // Read input from the user
        System.out.print("Enter years of service: ");
        yearsOfService = kb.nextInt();

        System.out.print("Enter performance rating (1-5): ");
        performanceRating = kb.nextInt();

        System.out.print("Enter salary: ");
        salary = kb.nextDouble();

        // Check if the employee is eligible for a bonus
        if (yearsOfService < 5) {
            System.out.println("No bonus. You need more experience.");
        } else {
            switch (performanceRating) {
                case 5:
                    bonus = salary * 0.20;
                    break;
                case 4:
                    bonus = salary * 0.10;
                    break;
                case 3:
                    bonus = salary * 0.05;
                    break;
                default:
                    bonus = 0;
                    break;
            }

            if (bonus > 0) {
                System.out.println("You have earned a bonus of " + bonus + " based on your performance rating.");
            } else {
                System.out.println("No bonus. Your performance rating is below 3.");
            }
        }
    }
}
```

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CEDRIC@DESKTOP-0G7VTBI MINGW64 /d/0010/Documents/Acads/BSIT 2A/Case Problems
$ java Case1Angulo
Enter years of service: 4
Enter performance rating (1-5): 4
Enter salary: 50000
No bonus. You need more experience.

CEDRIC@DESKTOP-0G7VTBI MINGW64 /d/0010/Documents/Acads/BSIT 2A/Case Problems
$ java Case1Angulo
Enter years of service: 10
Enter performance rating (1-5): 3
Enter salary: 100000
You have earned a bonus of 5000.0 based on your performance rating.
```