

eclipse-workspace - tejal/src/tejal/task_3.java - Eclipse IDE

```
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer X first.jsp menu.jsp contact.jsp admin.jsp admin_panel... login_custom... login.jsp task2.java task3.java task_3.java X
1 package tejal;
2
3 import java.util.Scanner;
4
5 public class task_3 {
6
7
8     // Method to calculate grade
9     public static char calculateGrade(double percentage) {
10         if (percentage >= 90) return 'A';
11         else if (percentage >= 75) return 'B';
12         else if (percentage >= 60) return 'C';
13         else if (percentage >= 40) return 'D';
14         else return 'F';
15     }
16
17     // Method to display grade message using switch
18     public static void gradeMessage(char grade) {
19         switch (grade) {
20             case 'A':
21                 System.out.println("Excellent Performance");
22         }
23     }
24 }
```

Problems Servers Terminal Data Source Explorer Properties Console Eclipse IDE for Enterprise Java and Web Developers 2025-12 Release X

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This screenshot shows the Eclipse IDE interface with a Java project named 'tejal'. The 'task_3.java' file is open in the editor, containing a class 'task_3' with methods to calculate a grade based on a percentage and to print a grade message. The code uses if-else statements and a switch-case statement. The Eclipse toolbar and various perspectives like Project Explorer, Problems, and Console are visible at the top and bottom of the interface.

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src
komal1
JRE System Library [JavaSE-21]
src
komal1
demo.java
slip10q1.java
slip13q2.java
slip14q1.java
slip17q2.java
slip19q1.java
slip1q1.java
slip21q1.java
slip21q2.java
task_2.java
taskjava
task3.java
module-info.java
multithread
apps
Servers
stringtype
task
tejal
JRE System Library [JavaSE-21]
src
tejal
aids.java
demo.java
task_3.java
taskjava
task2.java
module-info.java
first.jsp menu.jsp contact.jsp admin.jsp admin_panel... login_custom... login.jsp task2.java task3.java task_3.java X
SWITCH (Grade) {
    case 'A':
        System.out.println("Excellent Performance");
        break;
    case 'B':
        System.out.println("Very Good");
        break;
    case 'C':
        System.out.println("Good");
        break;
    case 'D':
        System.out.println("Pass");
        break;
    case 'F':
        System.out.println("Fail");
        break;
    default:
        System.out.println("Invalid Grade");
}
public static void main(String[] args) {
```

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34         break;
35     default:
36         System.out.println("Invalid Grade");
37     }
38 }
39
40 public static void main(String[] args) {
41
42     Scanner sc = new Scanner(System.in);
43     char choice;
44
45     while (true) {
46
47         int totalMarks = 0;
48         boolean invalid = false;
49
50         System.out.println("\nEnter marks for 5 subjects:");
51
52         for (int i = 1; i <= 5; i++) {
53             System.out.print("Subject " + i + ": ");
54             int marks = sc.nextInt();
```

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54         int marks = sc.nextInt();
55
56•     if (marks < 0 || marks > 100) {
57         System.out.println("Invalid marks! Enter between 0 and 100.");
58         invalid = true;
59         break; // stop subject entry
60     }
61     totalMarks += marks;
62 }
63
64•     if (invalid) {
65         continue; // skip result calculation
66     }
67
68     double percentage = (totalMarks / 500.0) * 100;
69     char grade = calculateGrade(percentage);
70
71     System.out.println("\n--- Result Summary ---");
72     System.out.println("Total Marks: " + totalMarks);
73     System.out.println("Percentage: " + percentage + "%");
74     System.out.println("Grade: " + grade);
```

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68     double percentage = (totalMarks / 500.0) * 100;
69     char grade = calculateGrade(percentage);
70
71     System.out.println("\n--- Result Summary ---");
72     System.out.println("Total Marks: " + totalMarks);
73     System.out.println("Percentage: " + percentage + "%");
74     System.out.println("Grade: " + grade);
75     gradeMessage(grade);
76
77     System.out.print("\nDo you want to enter another student? (Y/N): ");
78     choice = sc.next().charAt(0);
79
80     if (choice == 'N' || choice == 'n') {
81         break; // exit loop
82     }
83
84
85     sc.close();
86     System.out.println("Program Ended.");
87 }
88 }
```

Snipping Tool

Screenshot copied to clipboard
Automatically saved to screenshots folder.

Mark-up and share

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double percentage = (totalMarks / 500.0) * 100;

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task_3 [Java Application] C:\Users\visha\p2\pool\plugins\org.eclipse.jst.openjdt.core\full\win32\x86_64_21.0.7.v20250502-0916\jre\bin\javaw.exe (19-Jan-2026, 7:55:38 pm elapsed: 0:00:11) [pid: 12740]

```
Enter marks for 5 subjects:
Subject 1: 40
Subject 2: 60
Subject 3: 70
Subject 4: 80
Subject 5: 95

--- Result Summary ---
Total Marks: 345
Percentage: 69.0%
Grade: C
Good

Do you want to enter another student? (Y/N):
```

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double percentage = (totalMarks / 500.0) * 100;

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task_3 [Java Application] C:\Users\visha\p2\pool\plugins\org.eclipse.jst.openjdt.core\bin\java.exe (19-Jan-2026, 7:54:30 pm elapsed: 0:00:47) [pid: 8868]

```
Enter marks for 5 subjects:
Subject 1: 90
Subject 2: 80
Subject 3: 60
Subject 4: 50
Subject 5: 65

--- Result Summary ---
Total Marks: 345
Percentage: 69.0%
Grade: C
Good

Do you want to enter another student? (Y/N):
```