

Prelim Activity 5

Java Programs – Decision Control Structure

TASK GUIDE

Due Date:

Objective: Create a program that will apply Decision Control Structure.

Requirements:

Write a program that will ask the user to input:

- Final Grade
- Attendance Percentage

Apply the following rules:

- A student passes if the final grade is at least 75 AND attendance is at least 80%.
- If either condition is not met, the student fails.

Display the result of the evaluation.

Sample output 1:

Program: Student Pass/Fail Evaluation

Enter final grade (0-100): **85**

Enter attendance percentage (0-100): **82**

Result: Student PASSES.

Sample output 2:

Program: Student Pass/Fail Evaluation

Enter final grade (0-100): **72**

Enter attendance percentage (0-100): **90**

Result: Student FAILS.

Note: User inputs are shown in red text.

Deliverable:

- Filename: PreAct5LastnameFirstname
- The java file should include comments indicating student name, date and activity name as header at the beginning of the java program.
- The java file should include comments providing the algorithm for the required program.

Rubric and Criteria:

Criteria	10 points	8 points	5 points	3 points	0 point
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Program Correctness: Algorithm and logic	The program generates the perfect output. With complete header and algorithm.	The program generates an output with a minor mistake	The program generates a partially correct output	The output of the program is wrong	No submission
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