Create a Grading System for Students

Objective

Apply if-else statements and switch statements to develop a program that categorizes and grades student performance based on input marks.

Task

1. Design a program that:

• Prompts the user to input a student's marks (0–100).

• Validates that the input marks are within the correct range (0–100). If not, display an error message and ask for valid input.

• Categorizes the marks using the following criteria:

• 90–100: Grade A

• 80–89: Grade B

• 70–79: Grade C

• 60–69: Grade D

• Below 60: Fail

• Use a switch statement to display remarks for the grade:

• Grade A: "Excellent"

• Grade B: "Very Good"

• Grade C: "Good"

• Grade D: "Needs Improvement"

• Fail: "Better Luck Next Time"

2. Additional Features

• Allow the user to enter marks for multiple students by using a loop.

• Ask the user if they want to input marks for another student (Yes/No) and handle the response logically.

Example Output

Enter marks (0-100): 85

Grade: B

Remarks: Very Good

Do you want to enter marks for another student? (Yes/No): Yes

Enter marks (0-100): 45

Grade: Fail

Remarks: Better Luck Next Time

Do you want to enter marks for another student? (Yes/No): No

Goodbye!

Requirements

• Use if-else statements for grade calculation.

• Use a switch statement for remarks.

• Include proper validation for marks input.

• Display meaningful messages for both valid and invalid inputs.

Deliverables

• A .cs file containing the program code.

• Ensure the code is:

• Well-commented to explain the logic.

• Properly formatted and easy to read.