

## Classroom Assignment: Grade Calculation

### Learning Objective:

Learn how to use the **switch** statement in JavaScript to categorize scores into grades based on multiple conditions.

### Expected Completion Time:

Best Case: 10 minutes

Average Case: 15 minutes

### Assignment Details:

Write a JavaScript program that reads a student's score and displays their grade using a **switch** statement.

### Assignment Requirements:

1. Start by creating a variable named `score` and assign it a numeric value (for example, 85).
2. Use a **switch** statement with the expression `true` — this helps check score ranges inside each case.
3. Inside the switch block, write cases for different score ranges:
  - If the score is **90 or above**, display "Grade: A".
  - If the score is **80 to 89**, display "Grade: B".
  - If the score is **70 to 79**, display "Grade: C".
  - If the score is **60 to 69**, display "Grade: D".
  - For anything below **60**, display "Grade: F".
4. Run the program and verify that the correct grade is displayed for the score you entered.

### Hints to Solve:

Use `switch(true)` and then write each case as a condition like `case (score >= 90):`.

End each case with a `break` statement to prevent fall-through.

Use `console.log()` to show the grade on the screen.

### Expected Outcome:

After completing this exercise, you should be able to:

- Use a **switch statement** to handle multiple conditions.
- Classify numeric data (like scores) into meaningful categories (like grades).
- Write clear and organized decision-making code using JavaScript.