

# TEST

## Part 1: Conditions (If / Else / Else If)

### 1. Check if a number is even or odd

Write a program that takes a number and prints whether it's even or odd.

### 2. Grade Checker

Write a program that takes a score and prints:

- A if score  $\geq 80$
- B if score  $\geq 60$
- C if score  $\geq 40$
- F otherwise

### 3. Find the largest number among three

Take three numbers and use if/else to print the largest.

### 4. Age Group Classifier

Given a person's age, print:

- "Child" if age  $< 13$
- "Teenager" if age is 13–19
- "Adult" if age is 20–64
- "Senior" if age  $\geq 65$

### 5. Check if a number is positive, negative, or zero

Use if/else if/else to categorize a number.

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## ◆ Part 2: Switch Statements

### 1. Day of the Week

Write a program that takes a number from 1 to 7 and prints the corresponding day of the week (1 = Monday, 2 = Tuesday, ..., 7 = Sunday).

### 2. Simple Calculator

Take two numbers and an operator (+, -, \*, /) and use a switch statement to compute the result.

### 3. Traffic Light Color

Given a string ("red", "yellow", "green"), print the action:

- red  $\rightarrow$  "Stop"
- yellow  $\rightarrow$  "Ready"
- green  $\rightarrow$  "Go"

### 4. Fruit Price

Write a switch that takes a fruit name (apple, banana, orange, grape) and prints its price.

### 5. Grade Feedback

Use a switch to print feedback based on grade letter:

- A  $\rightarrow$  "Excellent"

- $B \rightarrow \text{"Good"}$
- $C \rightarrow \text{"Fair"}$
- $D \rightarrow \text{"Needs Improvement"}$
- $F \rightarrow \text{"Fail"}$