Nested if-else Problems

1. Determine if a Number is Even, Odd, or Zero:

Write a program to check if the user-input number is zero, even, or odd.

2. Classify Triangle by Sides:

Ask the user for three side lengths of a triangle. Determine if the triangle is equilateral, isosceles, or scalene using nested if-else.

3. Check Voting Eligibility:

Ask the user for their age and citizenship status. Use nested if-else to check:

- If the user is at least 18 years old and
 - If they are a citizen, they are eligible to vote.
 - If not, they are not eligible due to citizenship.
- If under 18, display not eligible due to age.

4. Student Scholarship Eligibility:

Ask the user for their grade and family income. Determine:

- If the grade is greater than or equal to 85, check income:

- If income is less than $40,000, they are eligible for a full scholarship.

 - Otherwise, they are eligible for a partial scholarship.

- If the grade is below 85, display not eligible for scholarship.

5. Nested Restaurant Menu:

Create a program where the user selects a meal type (e.g., Vegetarian or Non-Vegetarian) and then selects a specific dish:

- If Vegetarian:

  - Options are Salad or Soup.

- If Non-Vegetarian:

  - Options are Chicken or Fish.

Display their final choice.