Assignment 1: Pseudocode Development – Task: Write a detailed pseudocode for A simple program that takes a number as input,calculates the square if it’s Even or the cube if it’s odd, and then outputs the result. Incorporate Conditional and looping constructs.

Answer:

1. Start

2. Input: Enter the input number

3. Read the input number

4. IF number MOD 2 == 0 THEN

5. Calculate the square of the number

Square = number \* number

6. Output: Display the square of the number

7. Else:

8. Calculate the cube of the number

Cube = number \* number \* number

9. Output: Display the cube of the number

10. End