**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.**

Algorithm:

1. Start

2. Read num

3. If num is even, go to step 4; otherwise, go to step 5

4. Set result = num \* num

5. Set result = num \* num \* num

6. Print result

7. End

Psedocode:

1. Begin

2. Read num

3. If num % 2 == 0, then

result = num \* num

Else

result = num \* num \* num

4. Print result

5. End

Flowchart:

