**ASSIGNMENT 1 DAY -1(8/4/24)**

**Problem Statement:**

 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.

**Source Code:**

BEGIN

DECLARE integer number, result

PRINT "Enter a number:"

INPUT number

IF number is even THEN

result = number \* number // Calculate the square

PRINT "The square of", number, "is", result

ELSE

result = number \* number \* number // Calculate the cube

PRINT "The cube of", number, "is", result

END IF

END