

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.

START

// Prompt the user to enter a number

PRINT "ENTER A NUMBER"

READ number

// Check if the number is divisible by two

IF number % 2 == 0 THEN

 // If divisible by two, calculate the product of the number and 2

 product = number * 2

 PRINT "PRODUCT OF", number, "AND 2 IS:", product

ELSE

 // If not divisible by two, calculate the cubic of the number

 cubic = number * number * number

 PRINT "CUBIC OF", number, "IS:", cubic

END