**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.

A) **Pseudocode:**

START

REPEAT

PROMPT user to enter a number

READ number

IF number MOD 2 = 0 THEN

result ← number \* number

ELSE

result ← number \* number \* number

ENDIF

DISPLAY result

PROMPT "Do you want to try another number? (yes/no)"

READ response

UNTIL response = "no"

END