Start Program

Function Main:

Declare Variable continueProgram As Boolean

Set continueProgram = True

While continueProgram is True:

// Step 1: Input a number

Declare Variable number As Integer

Print "Enter a number: "

Read number

// Step 2: Check if the number is even or odd

Declare Variable result As Integer

If number % 2 == 0 Then:

// The number is even, calculate the square

result = number \* number

Else:

// The number is odd, calculate the cube

result = number \* number \* number

End If

// Step 3: Output the result

Print "The result is: " + result

// Step 4: Ask if the user wants to continue

Declare Variable userChoice As String

Print "Do you want to continue? (yes/no): "

Read userChoice

If userChoice == "no" Then:

continueProgram = False

End If

End