**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.

**SOLUTION:**

**Pseudocode:**

Start

Declare variable number as integer

Declare variable result as integer

Display: “Enter a number:”

Read number

if number modulo 2 equals to 0 then

assign result = number\*\*2

else

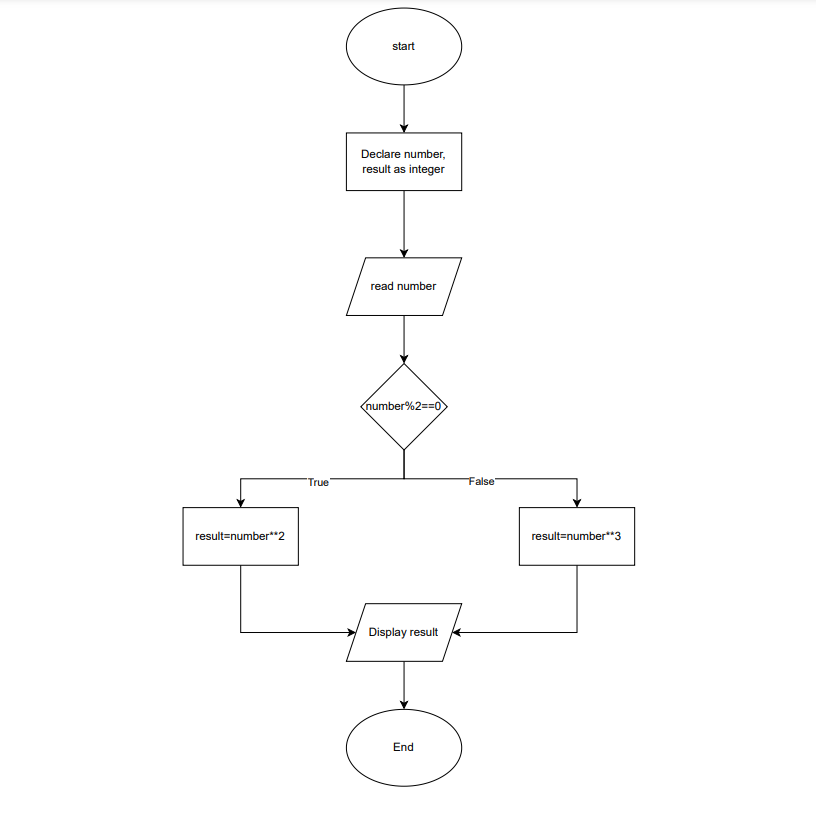
assign result = number\*\*3

endif

Display result

End

**FLOWCHART:**

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