Start

Display output

Add the new variable and store it into output variable

Multiply the numbers by themselve and save the numbers on new variable

Ask the user for input of the two numbers

Pseudocode

1. Ask the user for input and store them in variable .

Proceed only if the numbers is different from zero

n1=first input

n2= second input

1. Multiply the  numbers by them self  and store in new variable

 n1square= n1\*n1

N2square =n2\*n2

     3 add the numbers

         Output = n1square +N2square

      4 display output