Definition of the program:

this program is a Simple Console-based Calculator implemented in jour. It repetially lesitements a restrement of Prompts the two operands to and perform the www.ponding arithmetic operation. tollowing operators. addition (+), Supports the Subtraction (-), multiplication (+), division (-/.) and modulus (1). The user soon exit the program by entering 'x' or 'x'. The result of the operation is displayed cutter each calculation. invalid operator is entered, the program the user and continues to prompt for input. the program also hardles division by zero by displaying an appropriate messes and Skipping the Calculation.

Algorithm!

- 1. Start
- 2. Initialize and to o.
- 3. Repeat until user inputs 'x' or 'x'.

Prompt the user to center an operator.
Read the operator.

Check if the operator is one of the following (+,-,*,y.,1)

If true

- a) Prompt the user to conter two numbers.
- b) Read the first number 11.
- () Road the second number 12.
- d) Perform the Corresponding operation based on the operator.

if op is +: ans = n1+n2

* if op is -: ans = on1-n2

if op is * : am = n1*n2

if op is 1: ans= n1/n2. Whech if n2 is

· if not a means print "Commot clivide by repro" and continue to the next iteration.

* if opis 1. = am = n17. n2.

e) Print the result ams.

· if tabse:

check if the operator x or x:

true: Break to Loop.

False: Print "I malid Operation"

H. End.