

## Problem statement 2 :

Create a flowchart and pseudocode for a basic calculator program. The calculator should handle addition, subtraction, multiplication, and division operations. Utilize conditional statements to determine the selected operation and include appropriate comments for code clarity.

## Solution :

### Pseudocode:

```
Calculator(int num1,int num2,String operator):    //define a function calculator
if (operator=='+'):                             //check for the addition operator
    print("Addition is “,num1+num2)             //display addition of 2 numbers
else if(operator=='-'):                         //check for the subtraction operator
    print("Subtraction is “,num1-num2)          //display subtraction of 2 numbers
else if(operator=='*'):                        //check for the multiplication operator
    print("Multiplication is “,num1*num2)       //display multiplication of 2 numbers
else if(operator=='/' && num2!=0):              //check for the division operator
    print("Division is “,num1/num2)            //display division of 2 numbers
else:                                           //anyother operators then these four
    print("Invalid operator check and re-enter properly")
endif
```

```
define num1 as integer
num1=input()                                  //read the number1
define num2 as integer
num2=input()                                  //read the number2
define operator as character
operator=input()                              //read the operator + - * /
Calculator(num1,num2,operator)                //call the function calculator
```

## Flowchart :

