

# Calculator Program Algorithm and Pseudocode

## #Algorithm

- Step 1: Print the main menu with a list of operations.
- Step 2: Ask the user to choose an operation from the list.
- Step 3: Get the user's input.
- Step 4: Based on the user's input, perform the corresponding operation.
- Step 5: Print the result of the operation.
- Step 6: If the user chooses the "Exit" option, terminate the program.
- Step 7: the user enters an invalid option, print an error message and terminate the program.

## #Pseudocode

1. while true
  - Print "=====CALCULATOR PROGRAM====="
  - Print "1.Addition\n2.Subtraction\n3.Multiplication\n4.Division\n5.Exit"
  - Print "Choose the any one operation in above list "
2. Read user input into get
  - If get is 1:
    - Print "You are choosing Addition Operation"
    - Read first number into add1
    - Read second number into add2
    - Print "Your Result is " add1+add2
3. Else if get is 2:
  - Print "You are choosing Substraction Operation"
  - Read first number into sub1

Read second number into sub2

Print "Your Result is " sub1-sub2

4. Else if get is 3:

Print "You are choosing Multiplication Operation"

Read first number into mul1

Read second number into mul2

Print "Your Result is " mul1\*mul2

5. Else if get is 4:

Print "You are choosing Division Operation"

Read first number into div1

Read second number into div2

Print "Your Result is " div1/div2

6. Else if get is 5:

Print "Exiting...."

Terminate the program

7. Else:

Print "You are choosing an invalid option"

Print "Program is Exiting...."

Terminate the program