**Calculator :**

Build a software that can function as calculator :

Functions of the Calculator :

* Accept the operation
  + A for Addition ,
  + M for Multiplication ,
  + S for Subtraction ,
  + D for Division
* In case of Addition : User should be in a position to add any number of items . After accepting the second number , program should ask “Do you want add one more number ? “.
* If Yes . add another
* If No add all the numbers received and display the results.
* In case of M or S or D : to accept two numbers. First number and Second number. After accepting the two numbers , display the results.
* After displaying the results for A or M or S or D , Prompt the user “Do you want to continue ? “
  + If YES , start again the calculator
  + If NO , exit.

Flow :

Functions :

* Add\_numbers() :
  + to get the numbers for addition. Return the numbers.
  + After getting first number , prompt the use Do you want to continue?
  + If Yes , keep getting the numbers , till user enters “Y” for Continue.
  + if user enters other than y or n : Display the message : Please enter Correct choice” and display the “Please enter Y or N” message :
  + User may enter small y or capital y or small n or capital n. Convert to Upper case and process as : Y or N.
  + If user give N after 1st number , display the message “Minimum 2 numbers are required” and continue to get the numbers.
* Get\_numbers() : to get two numbers. Return the numbers ( Meant for S , M , D )
* Calculate() :
  + should take arguments : the list ( Numbers ) and Operations ( A for Addition , S for Subtraction , M for Multiplication , D for Division.
  + Based on the operation : compute
  + Should calculate value and return the calculated value.

Main program :

* Get the operations.
* Based on the operation selected by the user , call the get\_numbers() or add\_numbers().
* Passon the numbers and operations to the calculate() function. Arguments ; Operations , \*args( numbers received ). Calculate() function returns the value.
* Display the value