BEGIN load

INPUT number

IF number = float

ADD number to array

ELSE

Prompt user input again

RETURN to main loop

END

BEGIN print

PRINT numbers in array

PRINT how many numbers in array

RETURN to main loop

END

BEGIN sum

PRINT sum of array

PRINT how many numbers in array

RETURN to main loop

END

BEGIN max

PRINT “Function not yet implemented”

RETURN to main loop

END

BEGIN min

PRINT “Function not yet implemented”

RETURN to main loop

END

BEGIN main

INPUT function

IF function = load THEN

BEGIN load

ELIF function = print THEN

BEGIN print

ELIF function = sum THEN

BEGIN sum

ELIF function = max THEN

BEGIN print

ELIF function = min THEN

BEGIN print

ELIF function = end THEN

END

ELSE

INPUT function

FLOW CHART

<https://www.lucidchart.com/invitations/accept/227aabdc-3b51-4d4c-a706-5118916654df>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Function | Test Data | Expected output | What it tests | Functional? |
| main | load | Starts load function | If the load function works | y |
| main | LOaD | Starts load function | If the .lower() is working | y |
| main | print | Starts print function | If the print function is wokring | y |
| main | sum | Starts sum function | If the sum function is working | y |
| main | max | Starts max function | If the max function is working | y |
| main | Min | Starts min function | If the min function is working | Y |
| Main | End | Ends program | See if end function is working | y |
| load | 1 | Adds 1 to the array | If load function works | y |
| load | 11 | Adds 11 to the array | If 2 digit numbers work | y |
| load | 1.1 | Adds 1.1 to the array | If decimals work | y |
| load | abc | Returns ‘that is not a number’ and prompts again | If the number scan works | y |
| load | ‘ ‘ | Returns ‘that is not a number’ and prompts again | What happens when nothing is entered | y |
| print |  | Prints empty array and 0 | If print command is called before load | y |
| print | 2 | Print array with 2 in it then 1 | If print function works with 1 number | y |
| print | 2, 3 | Print array with 2, 3 in it then 2 | If print function works with 2 numbers | y |
| print | 3.1, 2.6 | Print array with 3.1, 2.6 in it then 2 | If print function works with floats | y |
| sum |  | Prints 0 then 0 | If sum function works with no numbers loaded | y |
| sum | 2 | Print 2 then 1 | If sum function works with only 1 number | y |
| sum | 2, 3, 6, 9 | Print 20 then 4 | If sum function works with single digit numbers | y |
| sum | 13, 15, 83 | Print 111 then 3 | If sum function works with 2 digit numbers | y |
| sum | 2.3, 6.6 | Print 8.9 then 2 | If sum works with floats | y |