BEGIN load

INPUT number

IF number == float

append number to array

ELSE

Display ‘that is not a number”

RETURN to main loop

END

BEGIN print

display numbers in array

display how many numbers in array

RETURN to main loop

END

BEGIN sum

display sum of array

display how many numbers in array

RETURN to main loop

END

BEGIN max

display “Function not yet implemented”

RETURN to main loop

END

BEGIN min

display “Function not yet implemented”

RETURN to main loop

END

BEGIN main

Let user input = function

CASEWHERE function ==

load: load()

print: print()

sum: sum()

max: max()

min: min()

end: SystemExit

ELSE

display “that is not a valid option”

main()

ENDCASE

END main

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 |