Pseudocode for portfolio:

BEGIN mainroutine

Array = []

Loop = True

question = ‘What action would you like to perform:\n I - Add a number to an array\n P - Print the array and the array length\n A - Add the numbers within the array\n H - Find the maximum value within the array\n L - Find the lowest value witin the array\n Q - Quit the programe\n : ‘

WHILE Loop:

Choice = Get input “question”

Turn choice into a lowercase

CASEWHERE expression evaluates to

q: Loop = False

i: loadArray

p: printArray

a: sumArray

h: maximum

i: minimum

OTHERWISE: PRINT ‘That is not an option’

ENDCASE

END mainroutine

BEGIN loadArray

Loop = TRUE

WHILE Loop

arrayNumber = Get input “What number would you like to add the array?\n Press q to go back to the main menu:\n "

IF arrayNumber = q THEN

Loop = False

ELSE

IF arrayNumber = int THEN

Turn arrayNumber into int

Array = Array + arrayNumber

PRINT ‘your number has been successfully been added to the array’

ENDIF

ENDIF

END loadArray

BEGIN printArray

Array = \*Array (strips the array)

PRINT ‘Array’

IF length of Array <= 1 THEN

Print ‘The total length of the array is’, (length of Array), ‘number long’

ELSE

Print ‘The total length of the array is’, (length of Array), ‘numbers long’

ENDIF

END printArray

BEGIN sumArray

PRINT ‘The total sum of this array is’, (sum of Array)

IF length of array <= 1 THEN

Print ‘The total length of the array is’, (length of Array), ‘number long’

ELSE

Print ‘The total length of the array is’, (length of Array), ‘numbers long’

ENDIF

END sumArray

BEGIN maximum

PRINT ‘This feature has not be implemented yet’

END maximum

BEGIN minimum

PRINT ‘This feature has not be implemented yet’

END minimum