# DESIGN

Main

# Initialize Scanner input

# Output: “Enter list: “

# Input int providedValue <- input

# Note: 1st value will be the length of the list, and should not be counted as part of the list

# Initialize int array list with size of providedValue

# For loop: loop counter from 0 to providedValue

# Input list[counter] <- input

# if list is sorted (see isSorted below),

# Output: “The list is already sorted”

# else:

# Output: “The list is not sorted”

### isSorted(int array list) ###

# Loop through list array from 0 to length-1 (We don’t need to include the last value)

If list[counter] > list[counter + 1]:

# Return False

# If loop completes, return True, as all values were smaller than the next entry in the list.

Design

A screenshot of a computer program

Description automatically generated

# TEST PLAN

|  |  |  |
| --- | --- | --- |
| Test # | Input | Expected Output |
| 1 | 8 10 1 5 16 61 9 11 1 | The list is not sorted |
| 2 | 10 1 1 3 4 4 5 7 9 11 21 | The list is already sorted |

# SCREEN SHOTS

1

A blue background with white text

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2

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