

Jesse Reid CSC6013 coding project P4 output

Python 3.12.0 (v3.12.0:0fb18b02c8, Oct 2 2023, 09:45:56) [Clang 13.0.0 (clang-1300.0.29.30)]
on darwin
Type "help", "copyright", "credits" or "license()" for more information.

Running Binary Search CSC6013 coding project P4 #1

==== RESTART: /Users/jreid/Documents/JLR_dev_code/merrimack/CSC6013/P4_1.py ====

Original Array: [99, 67, 56, 51, 44, 39, 38, 23, 21, 17, 11, 2]

Mid: 39

Subarray: [99, 67, 56, 51, 44]

Mid: 56

Subarray: [51, 44]

Mid: 51

Subarray: [44]

Mid: 44

44 is at index 4

Mid: 39

Subarray: [99, 67, 56, 51, 44]

Mid: 56

56 is at index 2

Mid: 39

Subarray: [99, 67, 56, 51, 44]

Mid: 56

Subarray: [51, 44]

Mid: 51

Subarray: [44]

Mid: 44

Subarray: []

Mid: 44

42 is at index None

Original Array: [9, 7, 6, 4, 2, 0, -1, -3, -5, -8, -9]

Mid: 0

Subarray: [-1, -3, -5, -8, -9]

Mid: -5

Subarray: [-1, -3]

Mid: -1

-1 is at index 6

Mid: 0

Subarray: [-1, -3, -5, -8, -9]

Mid: -5

Subarray: [-8, -9]

Mid: -8

Subarray: []

Mid: -5

-7 is at index None

Running Minimum Search CSC6013 coding project P4 #2

==== RESTART: /Users/jreid/Documents/JLR_dev_code/merrimack/CSC6013/P4_2.py ====

Original array: [44, 63, 77, 17, 20, 99, 84, 6, 39, 52]

Start value: 44, end value: 52

Start value: 44, end value: 20

Start value: 44, end value: 77

Start value: 44, end value: 63

Start value: 44, end value: 44

Start value: 63, end value: 63

Returning value 44 from left slice

Start value: 77, end value: 77

Returning value 44 from left slice

Start value: 17, end value: 20

Start value: 17, end value: 17

Start value: 20, end value: 20

Returning value 17 from left slice

Returning value 17 from right slice

Start value: 99, end value: 52

Start value: 99, end value: 6

Start value: 99, end value: 84

Start value: 99, end value: 99

Start value: 84, end value: 84

Returning value 84 from right slice

Start value: 6, end value: 6

Returning value 6 from right slice

Start value: 39, end value: 52

Start value: 39, end value: 39

Start value: 52, end value: 52

Returning value 39 from left slice

Returning value 6 from left slice

Returning value 6 from right slice

The minimum number is 6 at index 7

Original array: [52, 84, 6, 39, 20, 77, 17, 99, 44, 63]

Start value: 52, end value: 63

Start value: 52, end value: 20

Start value: 52, end value: 6

Start value: 52, end value: 84

Start value: 52, end value: 52

Start value: 84, end value: 84

Returning value 52 from left slice

Start value: 6, end value: 6

Returning value 6 from right slice

Start value: 39, end value: 20

Start value: 39, end value: 39

Start value: 20, end value: 20

Returning value 20 from right slice

Returning value 6 from left slice

Start value: 77, end value: 63

Start value: 77, end value: 99

Start value: 77, end value: 17
Start value: 77, end value: 77
Start value: 17, end value: 17
Returning value 17 from right slice
Start value: 99, end value: 99
Returning value 17 from left slice
Start value: 44, end value: 63
Start value: 44, end value: 44
Start value: 63, end value: 63
Returning value 44 from left slice
Returning value 17 from left slice
Returning value 6 from left slice
The minimum number is 6 at index 2

Original array: [6, 17, 20, 39, 44, 52, 63, 77, 84, 99]
Start value: 6, end value: 99
Start value: 6, end value: 44
Start value: 6, end value: 20
Start value: 6, end value: 17
Start value: 6, end value: 6
Start value: 17, end value: 17
Returning value 6 from left slice
Start value: 20, end value: 20
Returning value 6 from left slice
Start value: 39, end value: 44
Start value: 39, end value: 39
Start value: 44, end value: 44
Returning value 39 from left slice
Returning value 6 from left slice
Start value: 52, end value: 99
Start value: 52, end value: 77
Start value: 52, end value: 63
Start value: 52, end value: 52
Start value: 63, end value: 63
Returning value 52 from left slice
Start value: 77, end value: 77
Returning value 52 from left slice
Start value: 84, end value: 99
Start value: 84, end value: 84
Start value: 99, end value: 99
Returning value 84 from left slice
Returning value 52 from left slice
Returning value 6 from left slice
The minimum number is 6 at index 0