Our Solution(s)

Run Code

```
Your Solutions
```

Solution 1 Solution 2

Run Code

```
Solution 1 Solution 2
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   package main
   // O(n^2) time | O(n) space
 6 func LongestIncreasingSubsequence(array []int) []int {
     sequences := make([]int, len(array))
     lengths := make([]int, len(array))
     for i := range array {
       sequences[i] = -1
10
       lengths[i] = 1
11
12
13
     for i := range array {
14
       currentNum := array[i]
       for j := 0; j < i; j++ {</pre>
16
         otherNum := array[j]
17
          if otherNum < currentNum && lengths[j]+1 >= lengths[i] {
18
           lengths[i] = lengths[j] + 1
19
           sequences[i] = j
20
21
22
23
     maxLengthIndex := 0
      for i := range array {
25
       if lengths[i] > lengths[maxLengthIndex] {
26
         maxLengthIndex = i
27
28
29
     return buildSequence(array, sequences, maxLengthIndex)
30 }
31
32 func buildSequence(array, sequences []int, index int) []int {
     out := []int{}
```

```
package main

func LongestIncreasingSubsequence(input []int) []int {
    // Write your code here.
    return nil
}
```

Solution 3

Run or submit code when you're ready.