

Run Code

Solution 1 Solution 2 Solution 3

```
1 using System.Collections.Generic;
2
3 public class Program {
4     public static List<int> LongestIncreasingSubsequence(int[] array) {
5         // Write your code here.
6         return null;
7     }
8 }
9
```

Submit Code

```
100         return 0
101     }
102
103     // Check if the array is sorted
104     bool isSorted(int arr[], int n) {
105         for (int i = 1; i < n; i++) {
106             if (arr[i] < arr[i-1])
107                 return false;
108         }
109         return true;
110     }
111
112     // Main function
113     int main() {
114         int arr[] = {1, 2, 3, 4, 5};
115         int n = sizeof(arr) / sizeof(arr[0]);
116         if (isSorted(arr, n))
117             cout << "The array is sorted." << endl;
118         else
119             cout << "The array is not sorted." << endl;
120     }
121 }
```

Run or submit code when you're ready.