```
1   // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3   using System.Collections.Generic;
4
5   public class Program {
6     // O(n^2) time | O(n) space - where n is the length of the array
7     public static List<int> RightSmallerThan(List<int> array) {
8       List<int> rightSmallerCounts = new List<int>();
9       for (int i = 0; i < array.Count; i++) {
10        int rightSmallerCount = 0;
11        for (int j = i + 1; j < array.Count; j++) {
12          if (array[j] < array[i]) {
13            rightSmallerCount++;
14          }
15        }
16        rightSmallerCounts.Add(rightSmallerCount);
17      }
18      return rightSmallerCounts;
19    }
20  }
21
```