**7 kyu**

**Simple Fun #51: Array Previous Less**

**Task**

Given array of integers, for each position i, search among the previous positions for the last (from the left) position that contains a smaller value. Store this value at position i in the answer. If no such value can be found, store -1 instead.

**Example**

For items = [3, 5, 2, 4, 5], the output should be [-1, 3, -1, 2, 4].

**Input/Output**

* [input] integer array arr

Non-empty array of positive integers.

Constraints: 3 ≤ arr.length ≤ 1000, 1 ≤ arr[i] ≤ 1000.

* [output] an integer array

Array containing answer values computed as described above.

<https://www.codewars.com/kata/simple-fun-number-51-array-previous-less/train/csharp>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp1

{

class Program

{

public static int[] ArrayPreviousLess(int[] arr)

{

//coding and coding..

int[] res = new int[arr.Length];

for(int i = arr.Length-1; i>=0; i--)

{

int j;

for( j =i-1; j>=0; j--)

{

if(arr[j ] < arr[i])

{

res[i] = arr[j];

break;

}

}

if (res[i] == 0) res[i] = -1;

}

return res;

}

static void Main(string[] args)

{

int[] arr = new int[] { 3, 5, 2, 4, 5 };

int[] res = ArrayPreviousLess(arr);

//{ -1, 3, -1, 2, 4}

foreach (int item in res)

{

Console.Write(item + " ");

}

Console.ReadLine();

}

}

}