30May

C Program to find the largest element on the left side of each index which is smaller than the element present at that index.

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| --- |
| #include<stdio.h> |
|  | #include<math.h> |
|  |  |
|  | void findMaximumBefore(int arr[], int n){ |
|  |  |
|  | for (int i = 0; i < n; i++) { |
|  |  |
|  | int currAns = -1; |
|  |  |
|  | for (int j = i - 1; j >= 0; j--) { |
|  | if (arr[j] > currAns && |
|  | arr[j] < arr[i]) { |
|  | currAns = arr[j]; |
|  | } |
|  | } |
|  | printf("%d ", currAns); |
|  | } |
|  | } |
|  |  |
|  | void main() |
|  | { |
|  | int arr[] = { 4, 7, 6, 8, 5 }; |
|  |  |
|  | int n = sizeof(arr) / sizeof(arr[0]); |
|  | findMaximumBefore(arr, n); |
|  | } |