8-1-24 Leet Code Challenge. WAP to find first and last position of element in sorted array. # include <stdio h> # include < stdlib.h> roid bulbleSort(int nums[], int numsige for (int i=0; i < numeSize -1; i++) for (int j=0; j<numsige-i-1; j++) //Swap if the element found is greater than the next element if (nums [j] > nums [j+]) int temp = nums[j]; nums [j] = nums[j+1]; nums [j+1] = temp; int \* searchRange (int nums ], int nums Size, int target, int \* return Size) int \* result = (int \*) mallor (2\* size of (int) gresult [0] = -1; Diesult [1] = -1; int left = 0;

int sught = numssize -1; while (left < = right) int mid = left + ( right - left) /2; if (nums [mid] = = target) 11 Found target, search for the range int start = mid; int end = mid; while (start > 0 & & nums[start-1] = = target) start - -; noticle Cend < nums Size - 188 nums[end+i]=target) end ++; result [0] = start; oresult [1] = end; else if (nums [mid] < target)

left = mid +1; 3 right = mid - 1; \* return Size = 2; return result; est main () int numssize;

Il get the size of the array from the user from the size of the every scanf ( " % d" & nums Size); int nums [nums Size]; Il get elements of the array from the user points (" Enter " lad elements of the array: \n", numeSize); for (int i=0; i<numsSize; i+1) scanf ("%d" &nums[i]); Dullesort (nums, nums Size); I print the sorted array frintf("\n Sorted Array: "); for (int i=0; i< numssize; i++) printf ("%d", nums [i]); printf ("\n"); 11 Enter target element int target; print ("n'Enter target element:"); scanf ("lod", & target); int return Size; int \* result= Search Range (nums, numsSize, target, Soreturn Size, fount ("Result: [%d o %d] \n",
eresult[0], result[1]); free (result);

DATE: / / return 0; Output: Enter the size of the array. 5 Enter 5 elements of the array. Sorted Avray: 33 33 4 Enter target element:3
Result: [0,3] Enter the size of the array: I Sorted Aerray: 2 Enter target element: 2 Result: [0, Q] · Enter the size of the avery: 2 Enter 2 elements of the array: Sorted Array: 4 5 Enter target element: 6 Result: [-1 ]