```
Given an avoisy of integrs [nums] solted in
 non-decreasing order, find the starting & ending -
 position of a given target value.
 If tagget is not found in the array return [-1,-17
 You must write a algorithm with O (log n) suntime
 Complexity
Rogram
 X include estatio. h>
* include < stdlib.h>
int binary search (not * nums, int numesize, int target
int findfisst) {
Ent left = 0;
 int right: numssige -1;
 int result = -1;
While (left = right) {
  int mid = left + (right -left) /2;
  if (nums[mid] == target) f
     result = mid;
      if Gird-first) {
        ofght = mid-1;
        left = trid+1;
       else if (noms[mid) < target) {

left = mid + 1; }
       else ight=mid-1;
      g
rescut = mid-19
```

```
int* Search Range (int* nums, int nums ize, int target,
int seturn Size ) &
int * result: (int *) walloe (2* size of (int));
 * seturn Size = 2;
 desutto] = bharysearch (nums, numsize, target, 1)
  sasult [1] = binary search (nums, numesize taget, o)
 return result;
  3
int main () }
  int nums [:]= { 5,7,7,8,8,10%;
  Port target 1 = 8;
   in sizel;
  int * lesult = Search Range (nums), 6, target 1, 8 sizes );
  Printf(" output to Gample 1: [-1.d, -1.d] \n" sums.)
  Result 1 [1]);
   toce (result );
  Input: nums: (5,7,7,0,8,10), to Typet, 1) ranger 6
   out put = [-1, -1].
```