Shortest Distance to a Character (/problems/shortest-distance-to-a-character/)

## Submission Detail
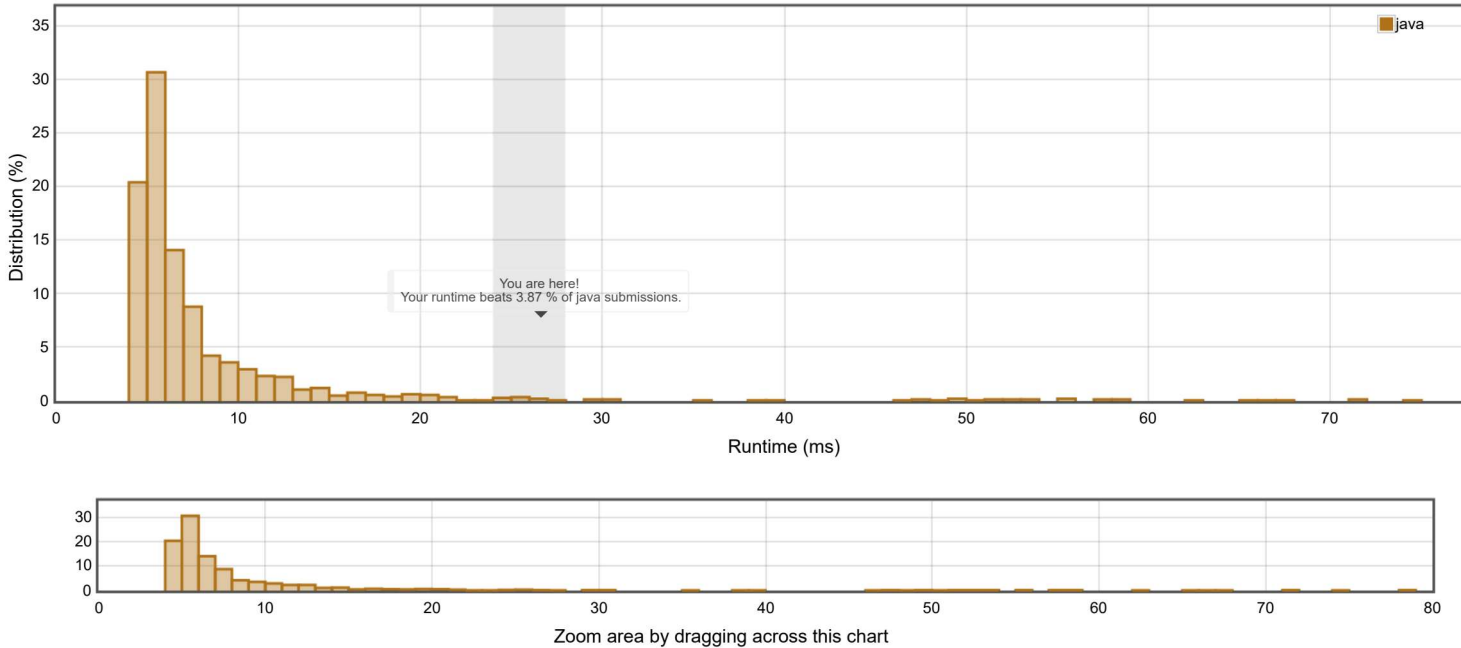
**76 / 76** test cases passed.                                                           Status: Accepted

Runtime: **26 ms**                                                          Submitted: **1 month ago**

## Accepted Solutions Runtime Distribution



Invite friends to challenge **Shortest Distance to a Character**

## Submitted Code: 1 month ago

Language: java

[Edit Code]

```
1   class Solution {
2       public int[] shortestToChar(String S, char C) {
3           Map<Integer,Integer> map = new HashMap<>();
4           int j=S.length()-1;
5           int count=0;
6           while(j>=0){
7               if(S.charAt(j)==C){
8                   map.put(count,j);
9                   count++;
10              }
11              j--;
12
13          }
14          int max=0;
15          int min=0;
16          int [] ans= new int[S.length()];
17          for(int i=0;i<S.length();i++){
18              max=0;
19              min=0;
20              if(S.charAt(i)==C)ans[i]=0;
21              else{
22              for(Map.Entry each :map.entrySet()){
23                  min=(int)each.getValue()-i;
24                  if (min < 0) min=min*-1;
25
26                  if(max==0 ){
27
28                      max=min;
29                  }else{
```

```
30
31                  if(min < max )
32
33                      max=min;
34                  }
35
36              }
37              ans[i]=max;
38
39              }
40
41
42          }
43      return ans;
44
45
46      }
47  }
```

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