

Longest Palindromic Substring (/problems/longest-palindromic-substring/)

Submission Detail

176 / 176 test cases passed.

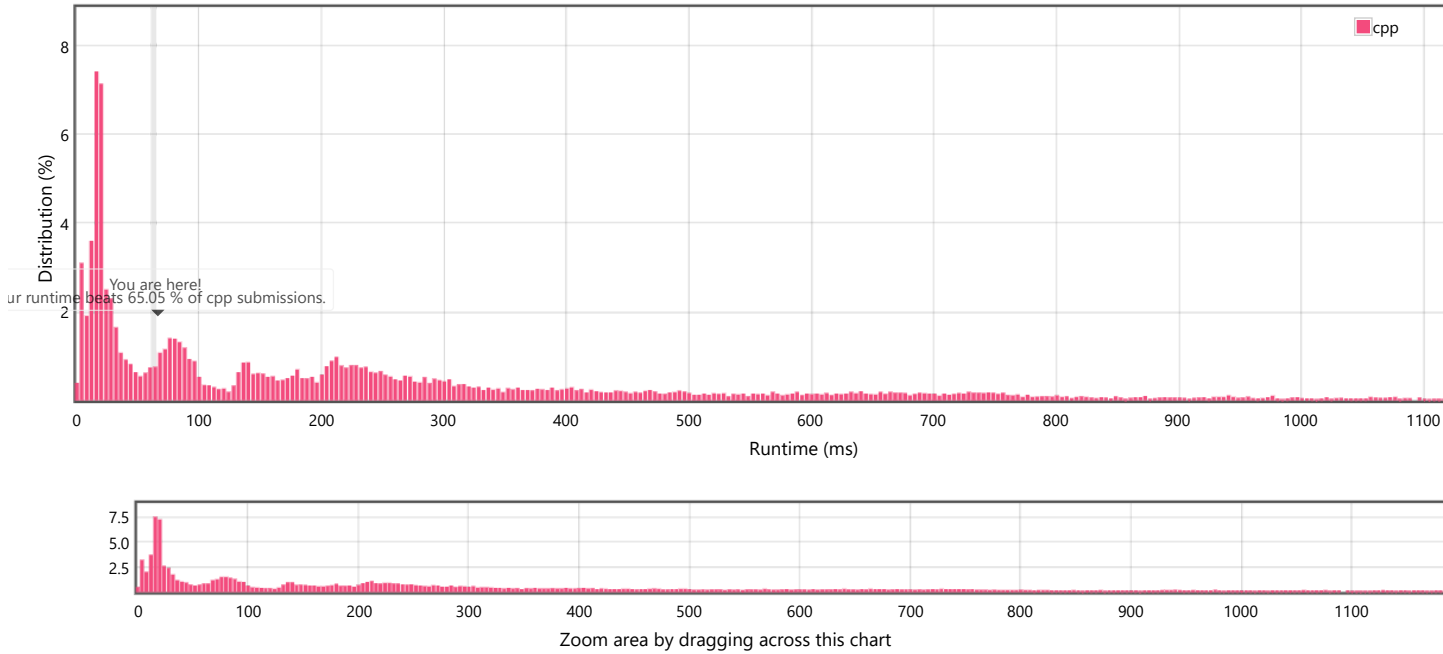
Runtime: 64 ms

Memory Usage: 231.6 MB

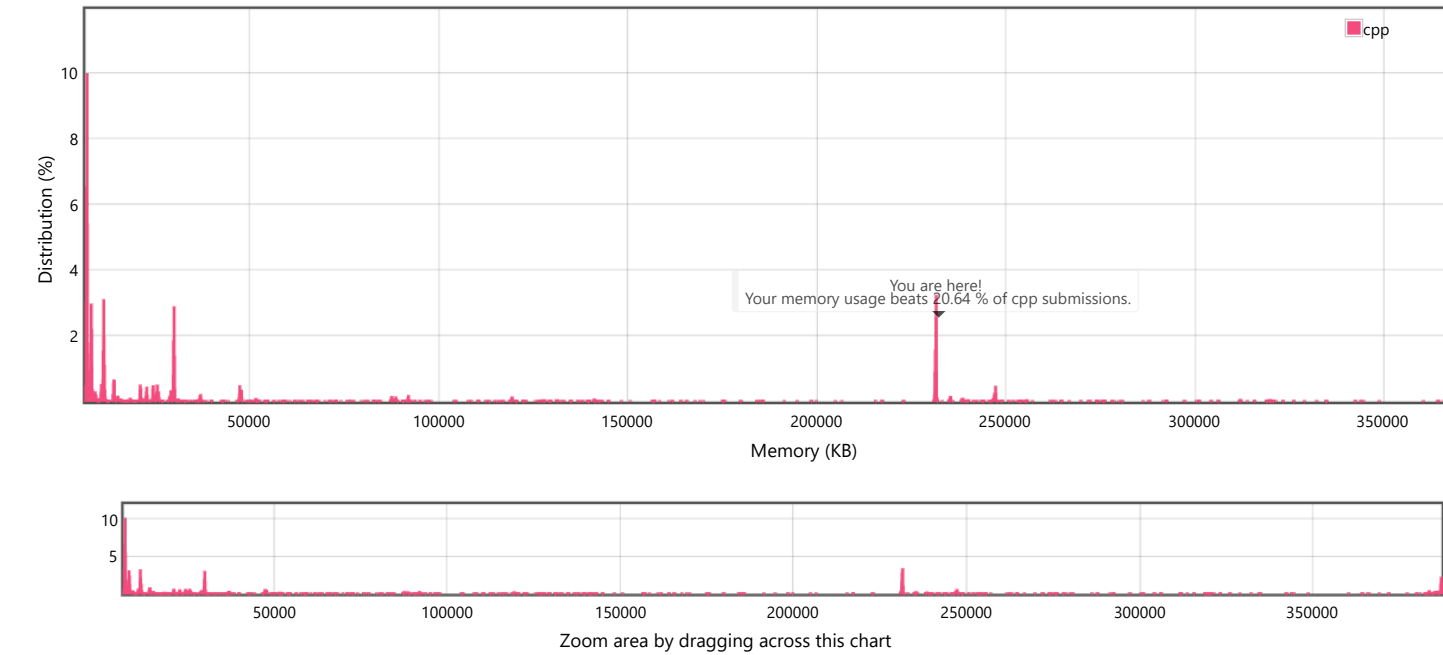
Status: Accepted

Submitted: 7 minutes ago

Accepted Solutions Runtime Distribution



Accepted Solutions Memory Distribution



Invite friends to challenge Longest Palindromic Substring

58

Submitted Code: 7 minutes ago

Language: cpp

Edit Code


```
1 class Solution {
2 private:
```

```
3     int Helper(string s,int left, int right,int* start)
4     {
5         if(left<0) left = 0;
6         if(right>=s.size()) right = s.size()-1;
7
8         while((0<=left) && (right<s.size()) && (s[left] == s[right]))
9         {
10            left--;
11            right++;
12        }
13
14        if(left<0) left = 0;
15        else left++;
16
17        if(right>=s.size()) right = s.size()-1;
18        else right--;
19
20        *start = left;
21        return (right-left+1);
22    }
23 public:
24     string longestPalindrome(string s) {
25         unordered_map <char,int> mymap;
26         int len = 0;
27         int start = 0;
28
29         if(s.size()<=1)
30             return s;
31
32         for(int i = 0; i < s.size(); i++)
33         {
34             int len_1 = 0;
35             int start_1 = 0;
36
37             int len_2 = 0;
38             int start_2 = 0;
39
40             //Odd
41             len_1 = Helper(s,i-1,i+1,&start_1);
42             //Even
43             len_2 = Helper(s,i-1,i,&start_2);
44
45             //len_1 > len_2
46             if(len_1<len_2)
47             {
48                 len_1 = len_2;
49                 start_1 = start_2;
50             }
51
52             if(len<len_1)
53             {
54                 len = len_1;
55                 start = start_1;
56             }
57         }
58
59         return s.substr(start,len);
60     }
61 };
```

[Back to problem \(/problems/longest-palindromic-substring/\)](/problems/longest-palindromic-substring/)

Copyright © 2021 LeetCode

[Help Center \(/support/\)](/support/) | [Jobs \(/jobs/\)](/jobs/) | [Bug Bounty \(/bugbounty/\)](/bugbounty/) | [Online Interview \(/interview/\)](/interview/) | [Students \(/student/\)](/student/) | [Terms \(/terms/\)](/terms/) | [Privacy Policy \(/privacy/\)](/privacy/)

 [United States \(/region/\)](/region/)