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

Submission Detail

103 / 103 test cases passed.	Status: Accepted
Runtime: **5024 ms**	Submitted: **0 minutes ago**
Memory Usage: **487.4 MB**	

Accepted Solutions Runtime Distribution
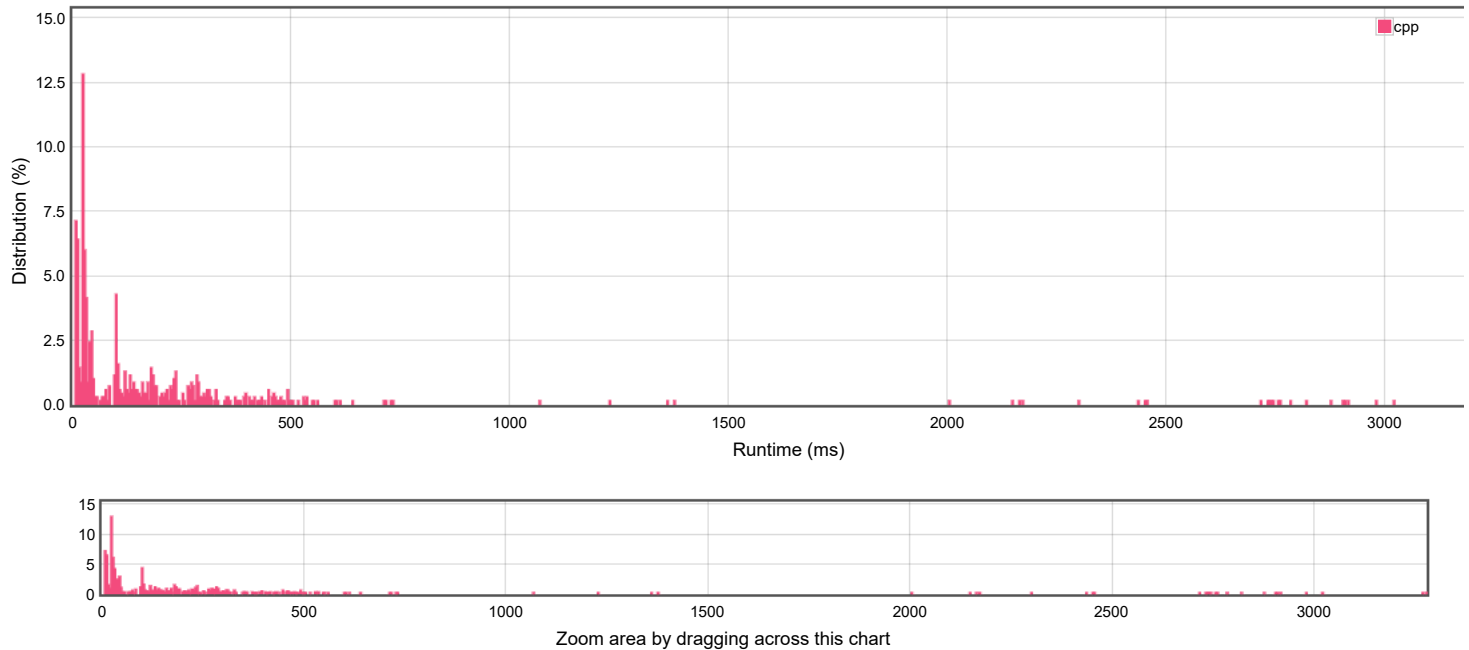
Accepted Solutions Memory Distribution

Sorry. We do not have enough accepted submissions to show distribution chart.

Invite friends to challenge **Longest Palindromic Substring**

◄ **58**

Submitted Code: 0 minutes ago

Language: cpp

Edit Code

```cpp
1  class Solution {
2  public:
3      string longestPalindrome(string s) {
4          int length=s.length();
5          int count=0;
6          string rstring="";
7          string result="";
8          for(int i=0; i<length; i++)
9          {
10             rstring=s[i]+rstring;
11             int rem_length=length-i;
12             for(int j=1; j<rem_length+1 && j<rstring.length()+1; j++)
13             {
14                 if(i==0)
15                 {
16                     count=1;
17                     result=s[i];
18                 }
19                 if(i>0 && i+1<length && s[i+1]==s[i-1])
20                 {
21
```

```
22                    if(s.substr(i,j)==rstring.substr(0,j))
23                    {
24                        if((j*2)-1>count)
25                        {
26                            result=s.substr(i-j+1,(j*2)-1);
27                            count=result.length();
28                        }
29                    }
30                }
31            //case where palindrome doesnt have a middle element.
32                if(rstring.length()>1 && s[i]==s[i-1])
33                {
34                    if(s.substr(i,j)==rstring.substr(1,j))
35                    {
36                        if((j*2)>count)
37                        {
38                            result=s.substr(i-j,j*2);
39                            count=result.length();
40                        }
41                    }
42                }
43            }
44        }
45        return result;
46    }
47 };
```

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