Valid Parentheses (/problems/valid-parentheses/)

Submission Detail

98 / 98 test cases passed.
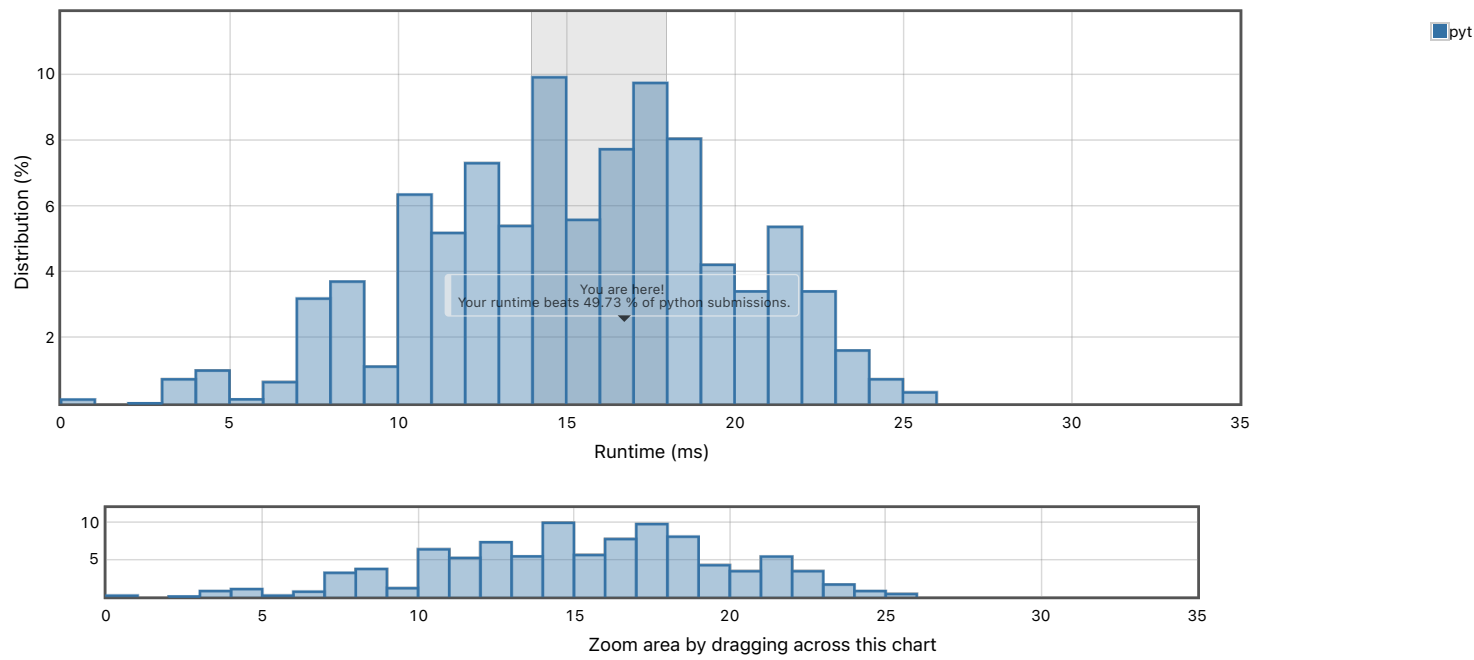
Runtime: **16 ms**
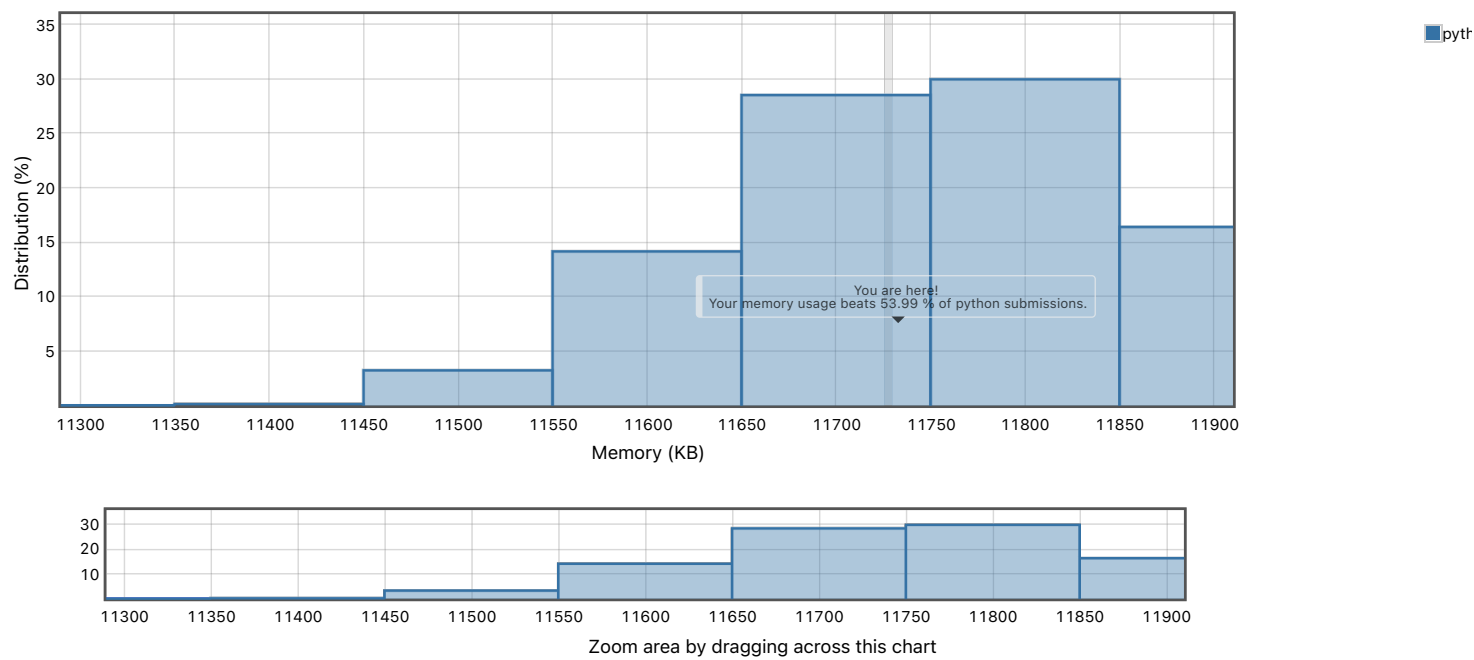Memory Usage: **11.7 MB**

Status: Accepted

Submitted: **1 minute ag**

Accepted Solutions Runtime Distribution

You are here!
Your runtime beats 49.73 % of python submissions.

Accepted Solutions Memory Distribution

You are here!
Your memory usage beats 53.99 % of python submissions.

Invite friends to challenge **Valid Parentheses**

Submitted Code: 1 minute ago

Language: python

Edit Co

```
1  class Solution(object):
2      def isValid(self, s):
```

```
 3          stack = [] # create an empty stack to store opening brackets
 4          for c in s: # loop through each character in the string
 5              if c in '([{': # if the character is an opening bracket
 6                  stack.append(c) # push it onto the stack
 7              else: # if the character is a closing bracket
 8                  if not stack or \
 9                      (c == ')' and stack[-1] != '(') or \
10                      (c == '}' and stack[-1] != '{') or \
11                      (c == ']' and stack[-1] != '['):
12                      return False # the string is not valid, so return false
13                  stack.pop() # otherwise, pop the opening bracket from the stack
14          return not stack # if the stack is empty, all opening brackets have been matched with their corresponding closing
               brackets,
15                          # so the string is valid, otherwise, there are unmatched opening brackets, so return false
```

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