
 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 4	Name : VEDANT BHARAD	
Day : 91	Date : 16/01/2023	Enrollment No: 92100133023

CP Club 365 Days Challenge

Programming language – PYTHON

Problem Statement


<https://www.hackerrank.com/challenges/balanced-brackets/problem?isFullScreen=true>

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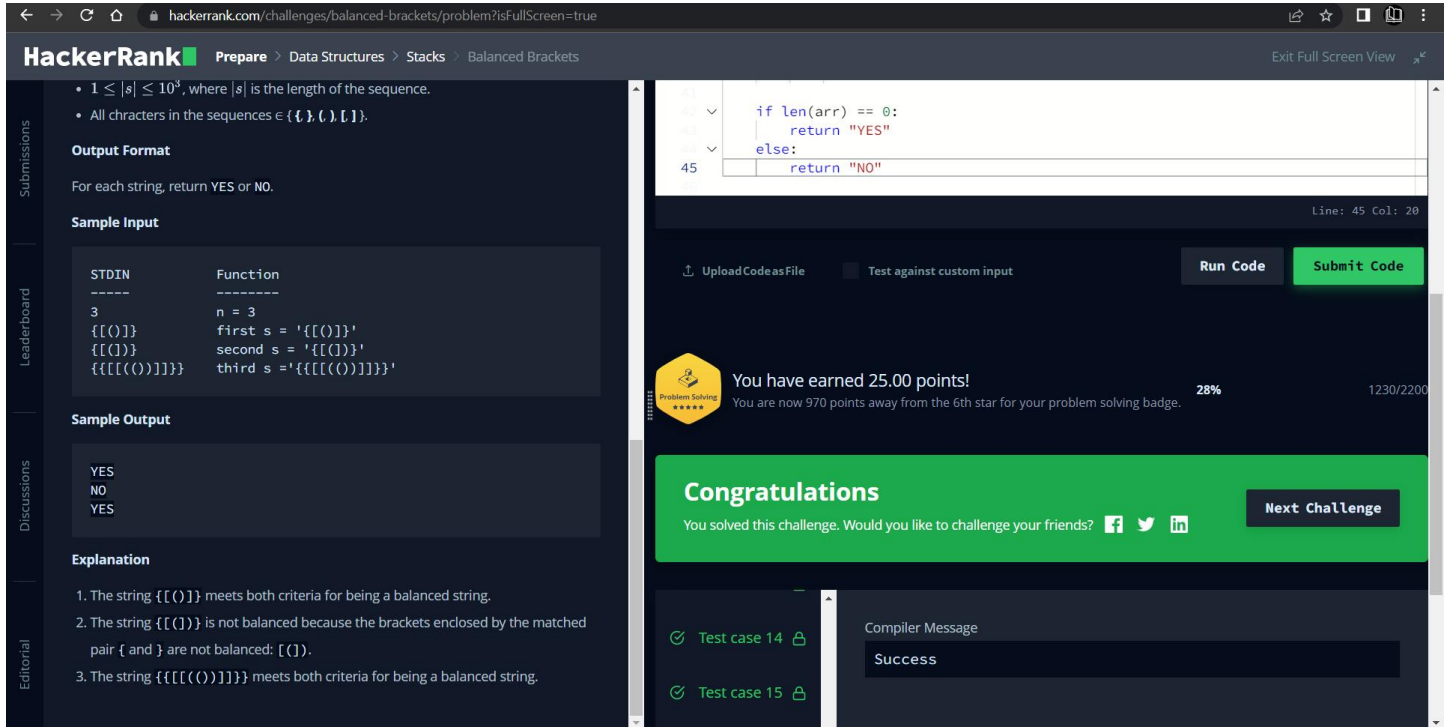
Your Code:

```
# 0x91Day of 0x365Days challenge
# VEDANT BHARAD
# 16-1-2023
import math
import os
import random
import re
import sys
def isBalanced(s):
    # Write your code here
    arr = []
    for i in s:
        if i == '(':
            arr.append(1);
        elif i == ')':
            if len(arr) > 0 and arr[-1] == 1:
                arr.pop()
            else:
                return "NO"
        elif i == '[':
            arr.append(2)
        elif i == ']':
            if len(arr) > 0 and arr[-1] == 2:
                arr.pop()
            else:
                return "NO"
        elif i == '{':
            arr.append(3)
        elif i == '}':
            if len(arr) > 0 and arr[-1] == 3:
                arr.pop()
            else:
                return "NO"
    if len(arr) == 0:
        return "YES"
    else:
        return "NO"

if __name__ == '__main__':
    fptr = open(os.environ['OUTPUT_PATH'], 'w')
    t = int(input().strip())
    for t_itr in range(t):
        s = input()
        result = isBalanced(s)
        fptr.write(result + '\n')
    fptr.close()
```

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Output (Screen Shot):



The screenshot shows the HackerRank interface for the 'Balanced Brackets' challenge. The left sidebar contains the problem description, sample input/output, and an explanation. The main area displays a Python code snippet that checks if a string is balanced. Below the code, it shows the user has earned 25.00 points and a 'Congratulations' message. At the bottom, it indicates that the solution passed all test cases (14 and 15) and shows a 'Compiler Message: Success'.

Understanding about problem:

- In this task I need to find brackets as a string is balanced or not if it is not then return NO else return YES.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST
Team CP Club