 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 4	Name : VEDANT BHARAD	
Day : 115	Date : 09/02/2023	Enrollment No: 92100133023


CP Club 365 Days Challenge

Programming language – PYTHON

Problem Statement


https://www.hackerrank.com/challenges/one-month-preparation-kit-the-birthday-bar/problem?isFullScreen=true&h_l=interview&playlist_slugs%5B%5D=preparation-kits&playlist_slugs%5B%5D=one-month-preparation-kit&playlist_slugs%5B%5D=one-month-week-one

Git :- https://github.com/Vedantbharad2603/CP_club_365_Days

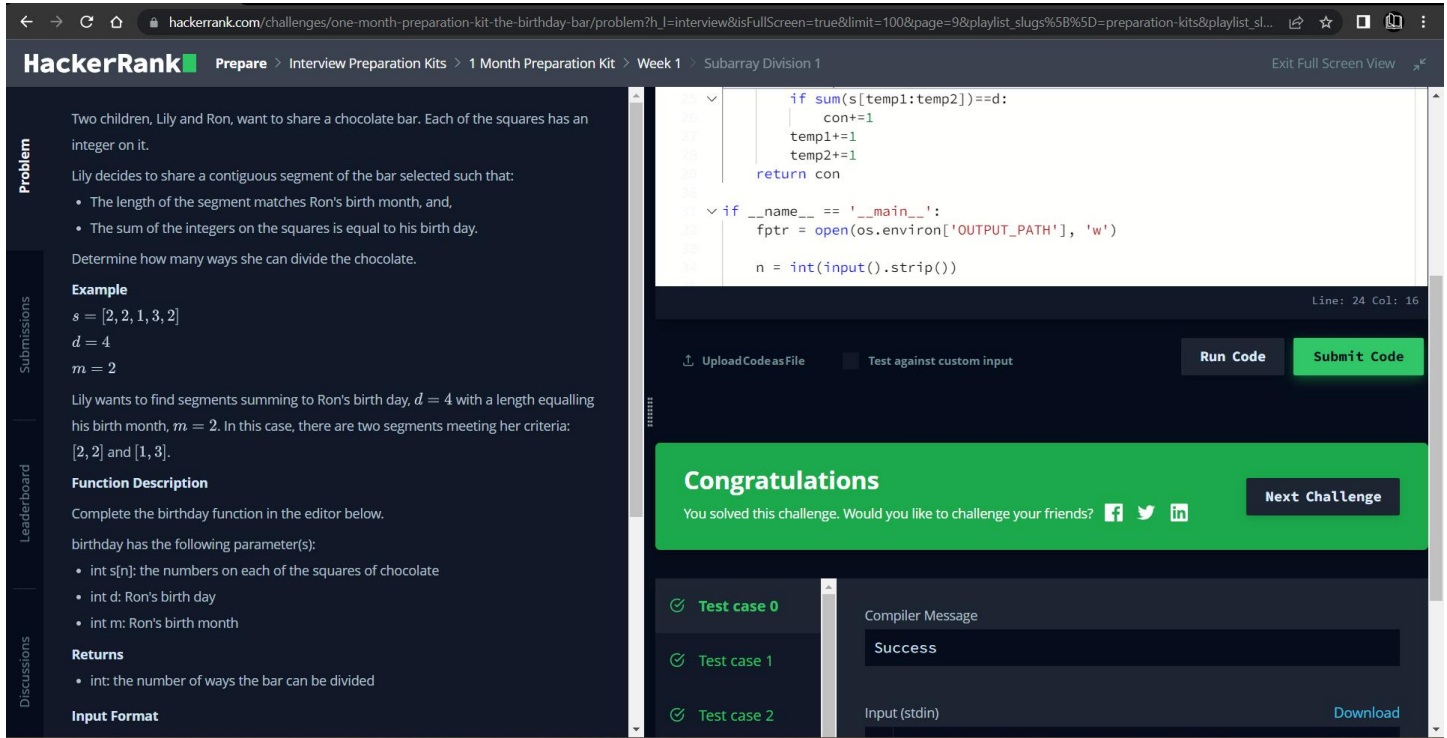
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Your Code:

```
# 0x115Day of 0x365Days challenge
# VEDANT BHARAD
# 9-2-2023
import math
import os
import random
import re
import sys
def birthday(s, d, m):
    # Write your code here
    temp1=0
    temp2=m
    con=0
    while temp2<=len(s):
        if sum(s[temp1:temp2])==d:
            con+=1
            temp1+=1
            temp2+=1
    return con
if __name__ == '__main__':
    fptr = open(os.environ['OUTPUT_PATH'], 'w')
    n = int(input().strip())
    s = list(map(int, input().rstrip().split()))
    first_multiple_input = input().rstrip().split()
    d = int(first_multiple_input[0])
    m = int(first_multiple_input[1])
    result = birthday(s, d, m)
    fptr.write(str(result) + '\n')
    fptr.close()
```

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Output (Screen Shot):



The screenshot shows the HackerRank interface for the 'Subarray Division 1' challenge. On the left, the 'Problem' section describes the task: given an array of integers, find the number of ways to divide it into two contiguous segments such that the sum of the first segment equals the birth month (d) and the length of the first segment equals the birth day (m). An example is provided: s = [2, 2, 1, 3, 2], d = 4, m = 2, with two valid segments [2, 2] and [1, 3]. The 'Function Description' section asks to complete the 'birthday' function. The 'Returns' section indicates the function should return an integer representing the number of ways. The 'Input Format' section describes the input parameters. The code editor on the right shows a Python solution that uses a sliding window approach to find the number of valid segments. The bottom of the screen shows a green 'Congratulations' message, indicating the challenge was solved successfully. It also lists test cases (Test case 0, Test case 1, Test case 2) and a 'Compiler Message' showing 'Success'.

Understanding about problem:

- In this task I need to find number which is number of ways to divide the given array.

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