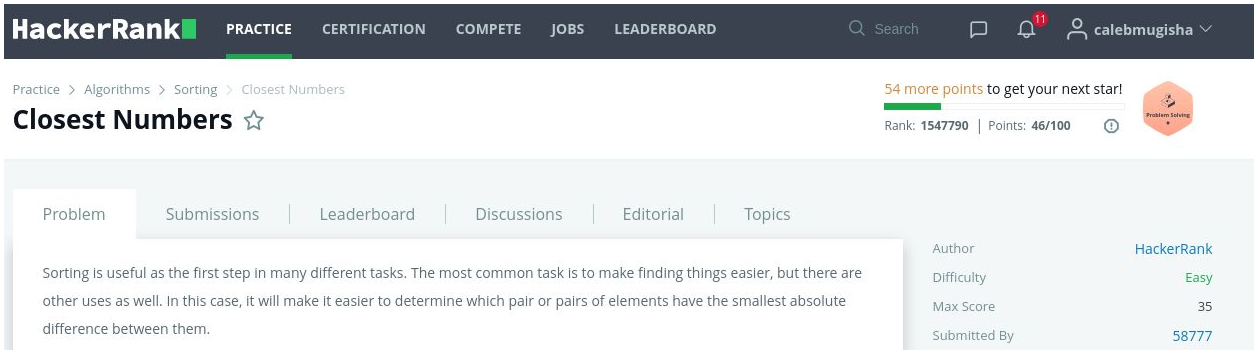
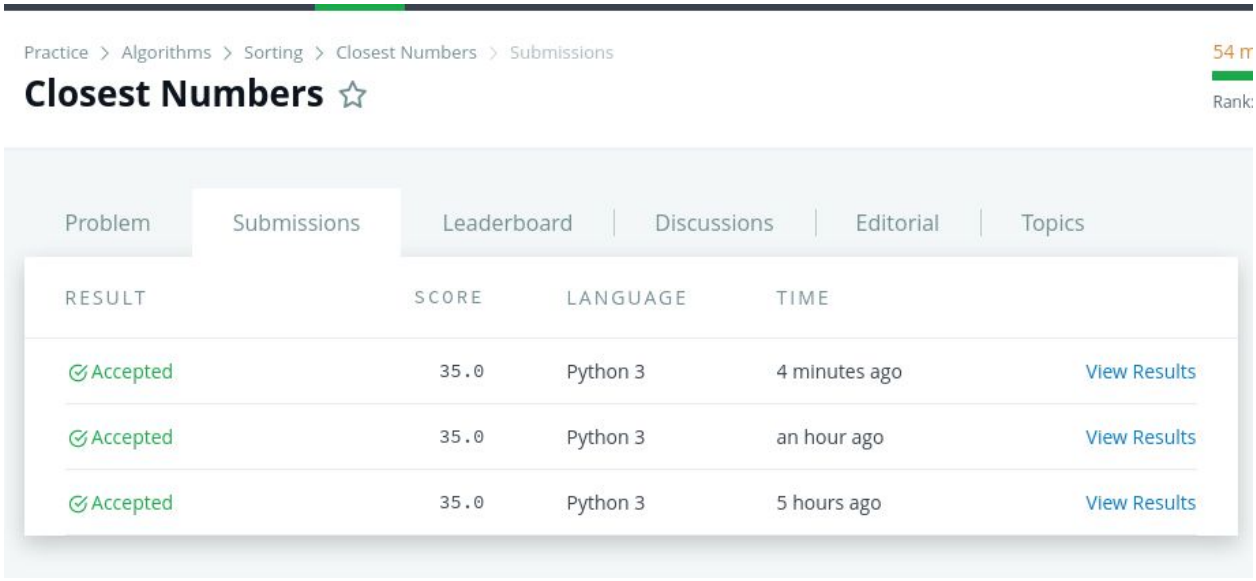
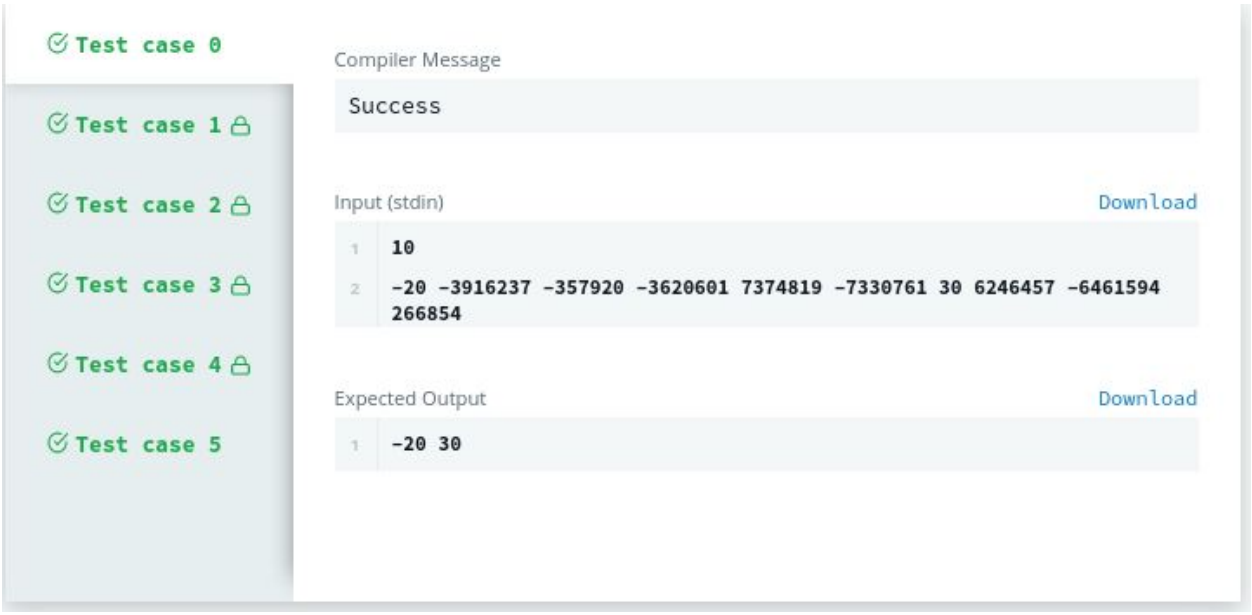
Username on hackerrank: calebmugisha

- **The title** of the problem (Closest Numbers)



- The summary of your results, showing **whether or not it has been accepted or whether it is a wrong answer**, **the score you got** for your submission, **the programming language used**, and the **time submitted**.





Code used(with python language)

```
#!/bin/python3

import math
import os
import random
import re
import sys

# Complete the closestNumbers function below.
def closestNumbers(arr):
    arr.sort()
    min_diff = 3893993939 #any huge number for comparison
    pair = []

    #our program's logic

    for i in range(1, len(arr)):
        diff = abs(arr[i-1] - arr[i])

        #update the min_diff
```

```
        if diff < min_diff:
            min_diff = diff
            pair =[arr[i-1], arr[i]]
        #if the min_diff already exists

        elif diff == min_diff:
            pair.extend([arr[i-1], arr[i]])
    return pair


if __name__ == '__main__':
    fptr = open(os.environ['OUTPUT_PATH'], 'w')

    n = int(input())

    arr = list(map(int, input().rstrip().split()))

    result = closestNumbers(arr)

    fptr.write(' '.join(map(str, result)))
    fptr.write('\n')

    fptr.close()
```