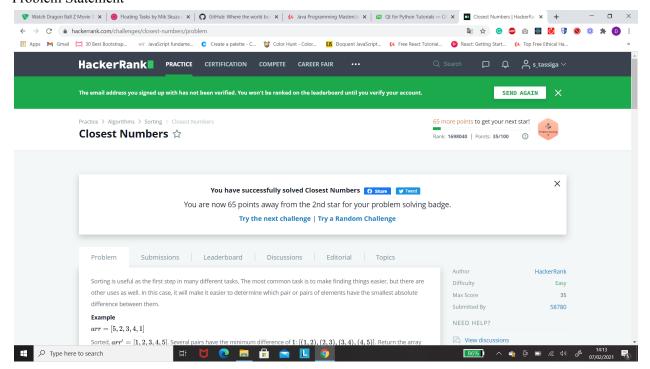
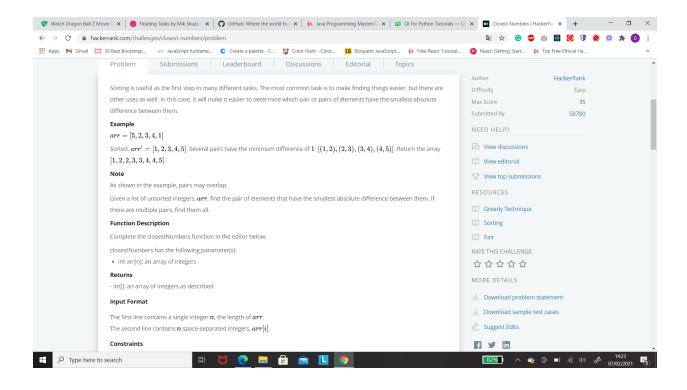
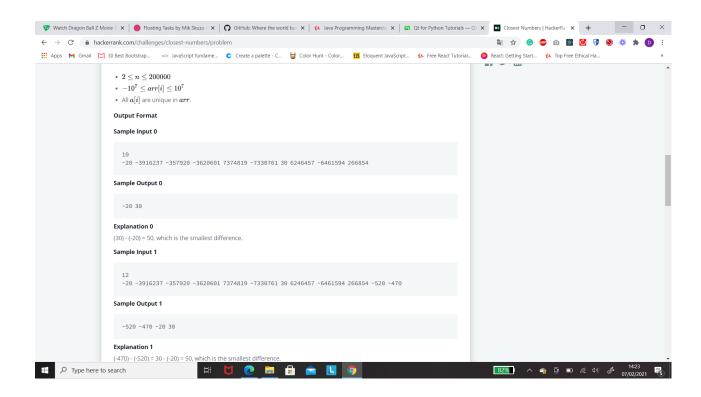
# Programming Assignments 1 - Closest Numbers

HackerRank Username = **s\_tassiga** 

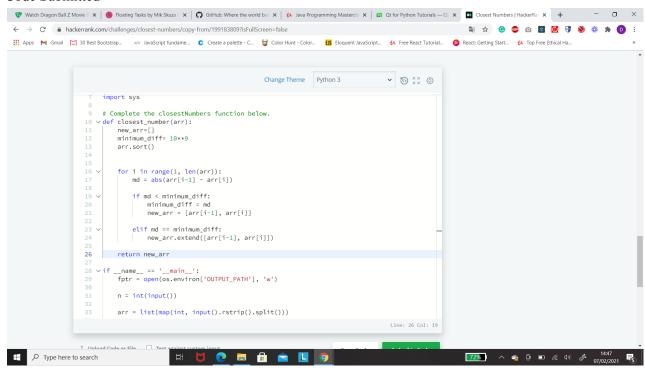
## **Problem Statement**



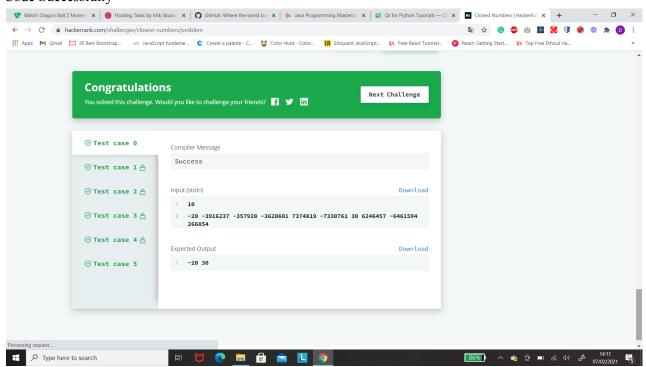




### Code Submitted



# Code Successfully



Time Submitted:



# Code User

```
def closest_number(arr):
    new_arr=[]
    minimum_diff= 10**9
    arr.sort()

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

    if md < minimum_diff:
        minimum_diff = md
        new_arr = [arr[i-1], arr[i]]

    elif md == minimum_diff:
        new_arr.extend([arr[i-1], arr[i]])

    return new arr</pre>
```