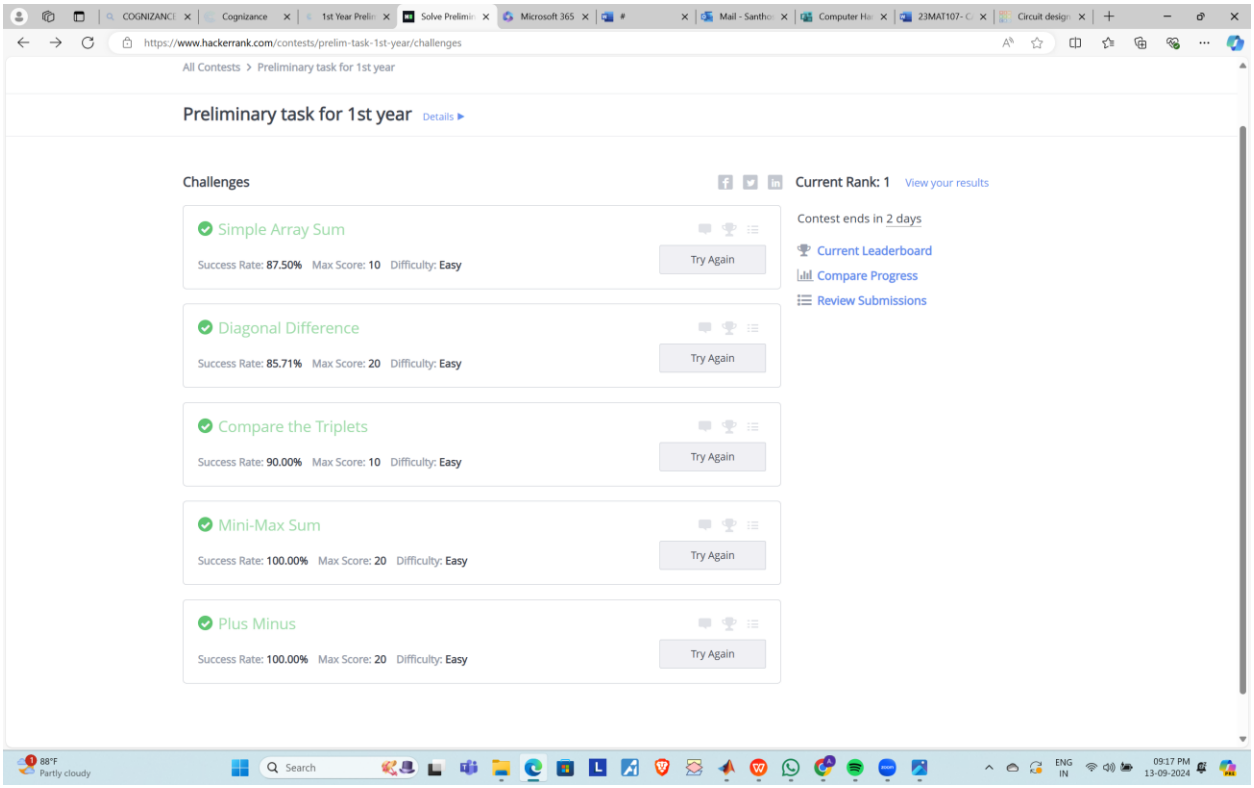
Screenshot :



Code for Simple Array Sum:

```
#!/bin/python3


import math

import os

import random

import re

import sys


#

# Complete the 'simpleArraySum' function below.
```

```
#
# The function is expected to return an INTEGER.
# The function accepts INTEGER_ARRAY ar as parameter.
#

def simpleArraySum(ar):
    x = 0
    for i in ar:
        x=x+i
    print (x)
    return x
if __name__ == '__main__':
    fptr = open(os.environ['OUTPUT_PATH'], 'w')

    ar_count = int(input().strip())

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

    result = simpleArraySum(ar)

    fptr.write(str(result) + '\n')

    fptr.close()
```

Code for Diagonal Difference:

```
#!/bin/python3
```

```
import math
import os
import random
import re
import sys

#
# Complete the 'diagonalDifference' function below.
#
# The function is expected to return an INTEGER.
# The function accepts 2D_INTEGER_ARRAY arr as parameter.
#

def diagonalDifference(arr):
    # Write your code here
    d1 = sum([arr[x][x] for x in range(len(arr))])
    d2 = sum([arr[x][n - 1 - x] for x in range(len(arr))])
    return(abs(d1 - d2))



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

    n = int(input().strip())

    arr = []
```

```
    for _ in range(n):
        arr.append(list(map(int, input().rstrip().split())))

    result = diagonalDifference(arr)

    fptr.write(str(result) + '\n')

    fptr.close()
```

Code for Compare the Triplets:

```
#!/bin/python3

import math
import os
import random
import re
import sys

#
# Complete the 'compareTriplets' function below.
#
# The function is expected to return an INTEGER_ARRAY.
# The function accepts following parameters:
#  1. INTEGER_ARRAY a
#  2. INTEGER_ARRAY b
#
```

```
def compareTriplets(a, b):
    # Write your code here
    pointa=0
    pointb=0
    ar = []
    for i in range(3):
        if a[i]>b[i]:
            pointa+=1


        if a[i]<b[i]:
            pointb+=1
    ar.insert(0,pointa)
    ar.insert(1,pointb)
    return(ar)

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

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

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

    result = compareTriplets(a, b)

    fptr.write(' '.join(map(str, result)))
```

```
    fptr.write('\n')


    fptr.close()
```

Code for Mini- Max Sum:

```
#!/bin/python3


import math

import os

import random

import re

import sys


#

# Complete the 'miniMaxSum' function below.

#

# The function accepts INTEGER_ARRAY arr as parameter.

#


def miniMaxSum(arr):

    # Write your code here

    arr = sorted(arr)

    print(sum(arr[:-1]),sum(arr[1:]))

if __name__ == '__main__':


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

```
    miniMaxSum(arr)
```

Code for Plus Minus:

```
#!/bin/python3


import math

import os

import random

import re

import sys


#

# Complete the 'plusMinus' function below.

#

# The function accepts INTEGER_ARRAY arr as parameter.

#


def plusMinus(arr):

    # Write your code here

    positiveCounter = 0

    negetiveCounter = 0

    zeroCounter = 0

    for i in range (len(arr)):

        if arr[i] > 0:

            positiveCounter += 1

        elif arr[i] < 0 :

            negetiveCounter +=1
```

```
        else:
            zeroCounter += 1
    print("%f"%(positiveCounter / len(arr)))
    print("%f"%(negetiveCounter / len(arr)))
    print("%f"%(zeroCounter / len(arr)))


if __name__ == '__main__':
    n = int(input().strip())

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

    plusMinus(arr)
```