Tasks 2 – HackerRank ACMAI
hackerrank id – adithya6119

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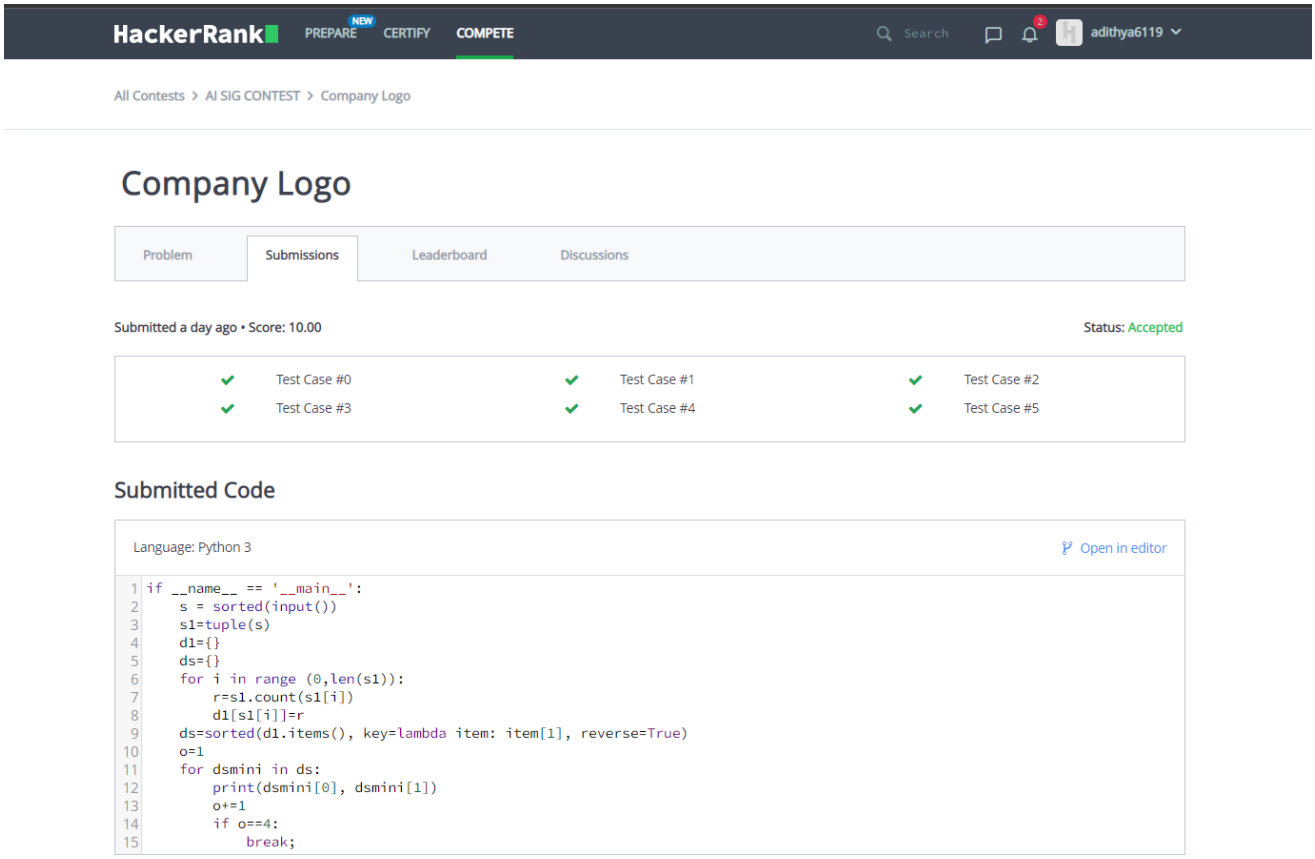
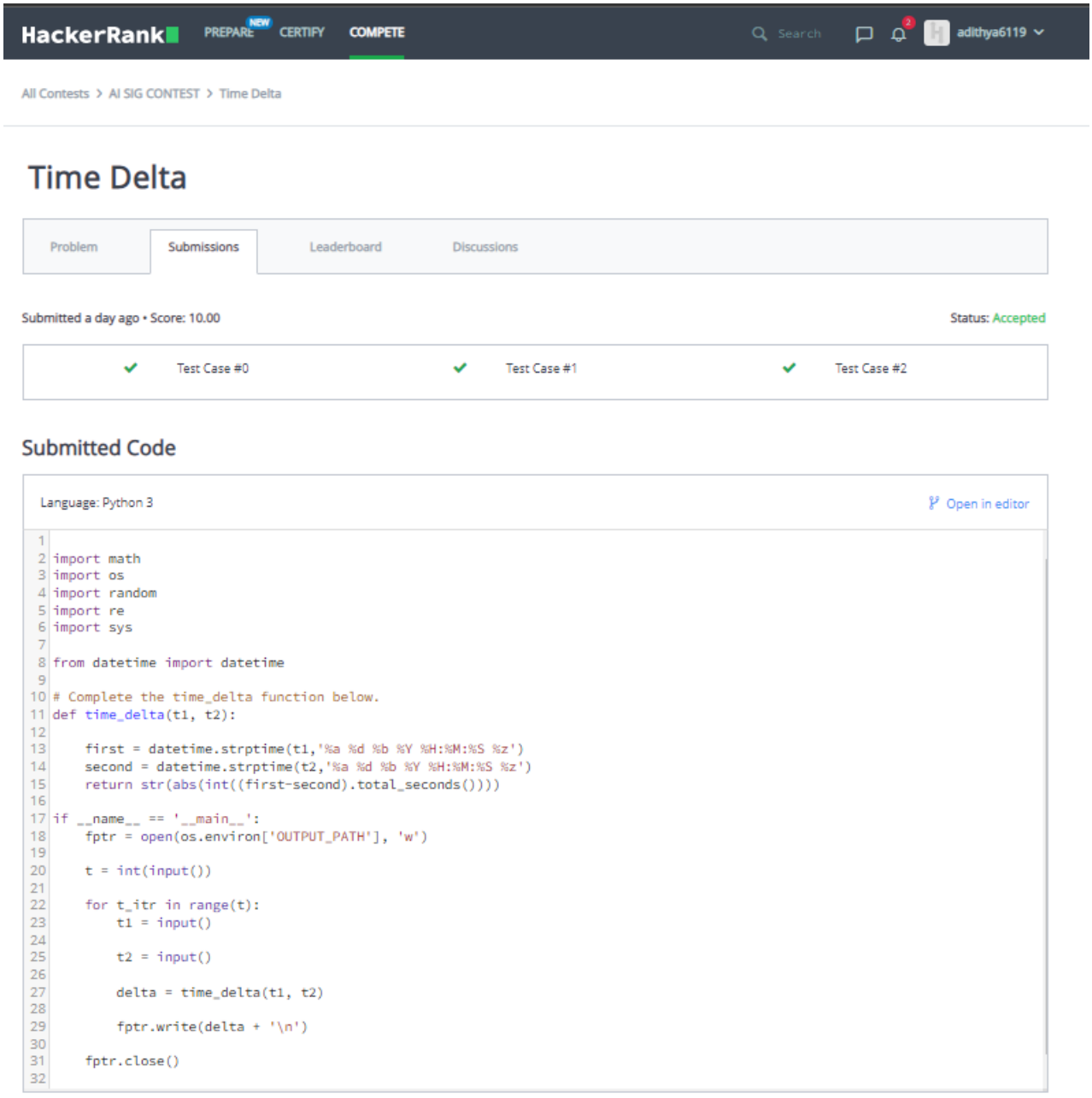
1.



2.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All Contests > AI SIG CONTEST > Time Delta
Time Delta
Problem
Submissions
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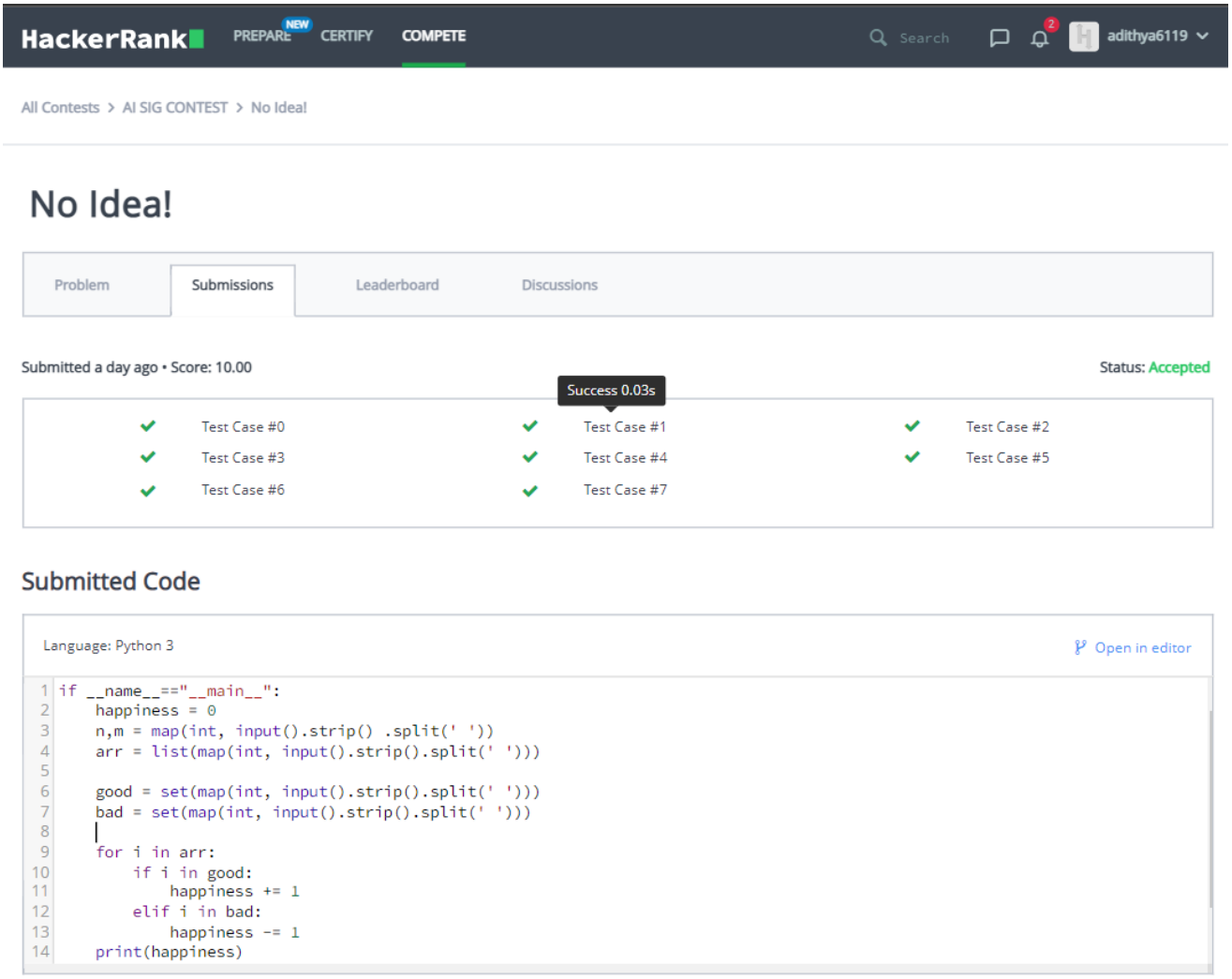
Discussions
Submitted a day ago • Score: 10.00
Status: Accepted
Test Case #0
Test Case #1
Test Case #2
Submitted Code
Language: Python 3
Open in editor
import math
import os
import random
import re
import sys
from datetime import datetime
# Complete the time_delta function below.
def time_delta(t1, t2):
first = datetime.strptime(t1,'%a %d %b %Y %H:%M:%S %z')
second = datetime.strptime(t2,'%a %d %b %Y %H:%M:%S %z')
return str(abs(int((first-second).total_seconds())))
if __name__ == '__main__':
fptr = open(os.environ['OUTPUT_PATH'], 'w')
t = int(input())
for t_itr in range(t):
t1 = input()
t2 = input()
delta = time_delta(t1, t2)
fptr.write(delta + '\n')
fptr.close()

3.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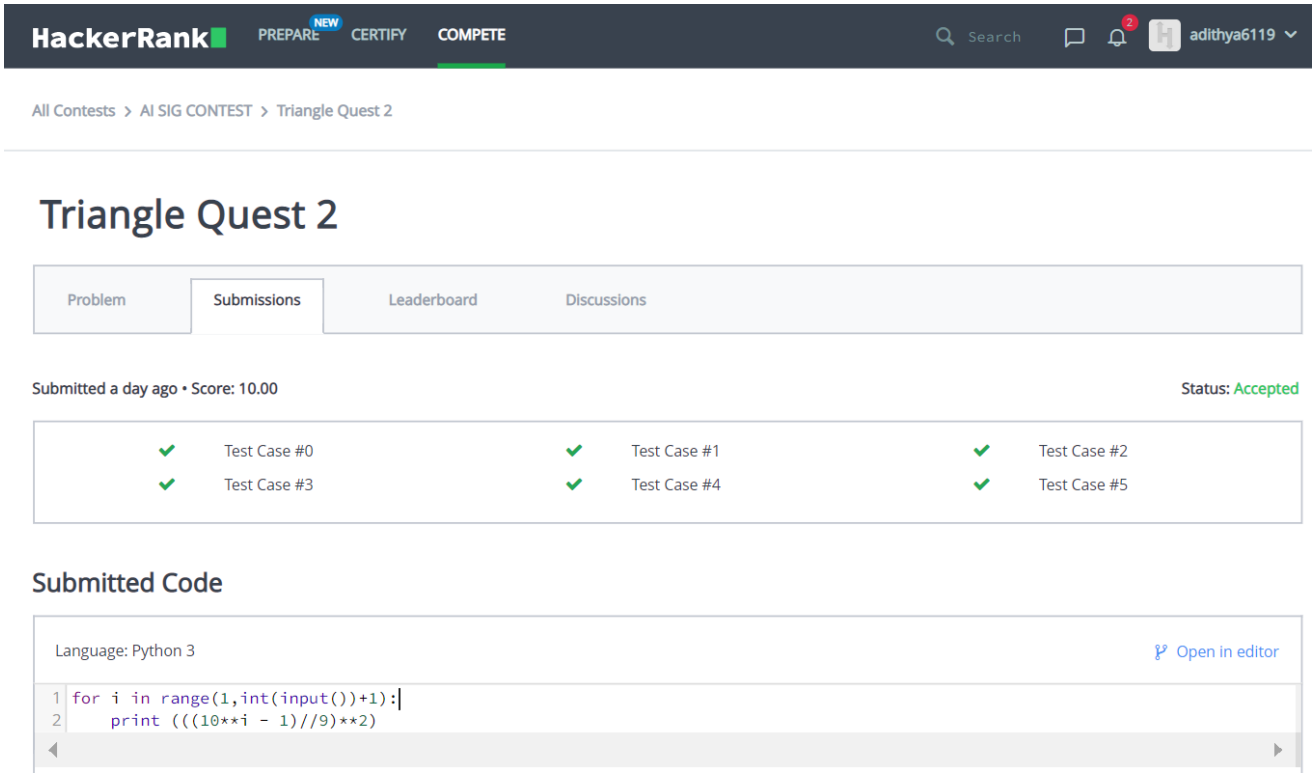
All Contests > AI SIG CONTEST > No Idea!
No Idea!
Problem
Submissions
Leaderboard
Discussions
Submitted a day ago • Score: 10.00
Status: Accepted
Success 0.03s
Test Case #0
Test Case #1
Test Case #2
Test Case #3
Test Case #4
Test Case #5
Test Case #6
Test Case #7
Submitted Code
Language: Python 3
Open in editor
if __name__=="__main__":
happiness = 0
n,m = map(int, input().strip() .split(' '))
arr = list(map(int, input().strip().split(' ')))
good = set(map(int, input().strip().split(' ')))
bad = set(map(int, input().strip().split(' ')))
for i in arr:
if i in good:
happiness += 1
elif i in bad:
happiness -= 1
print(happiness)

4.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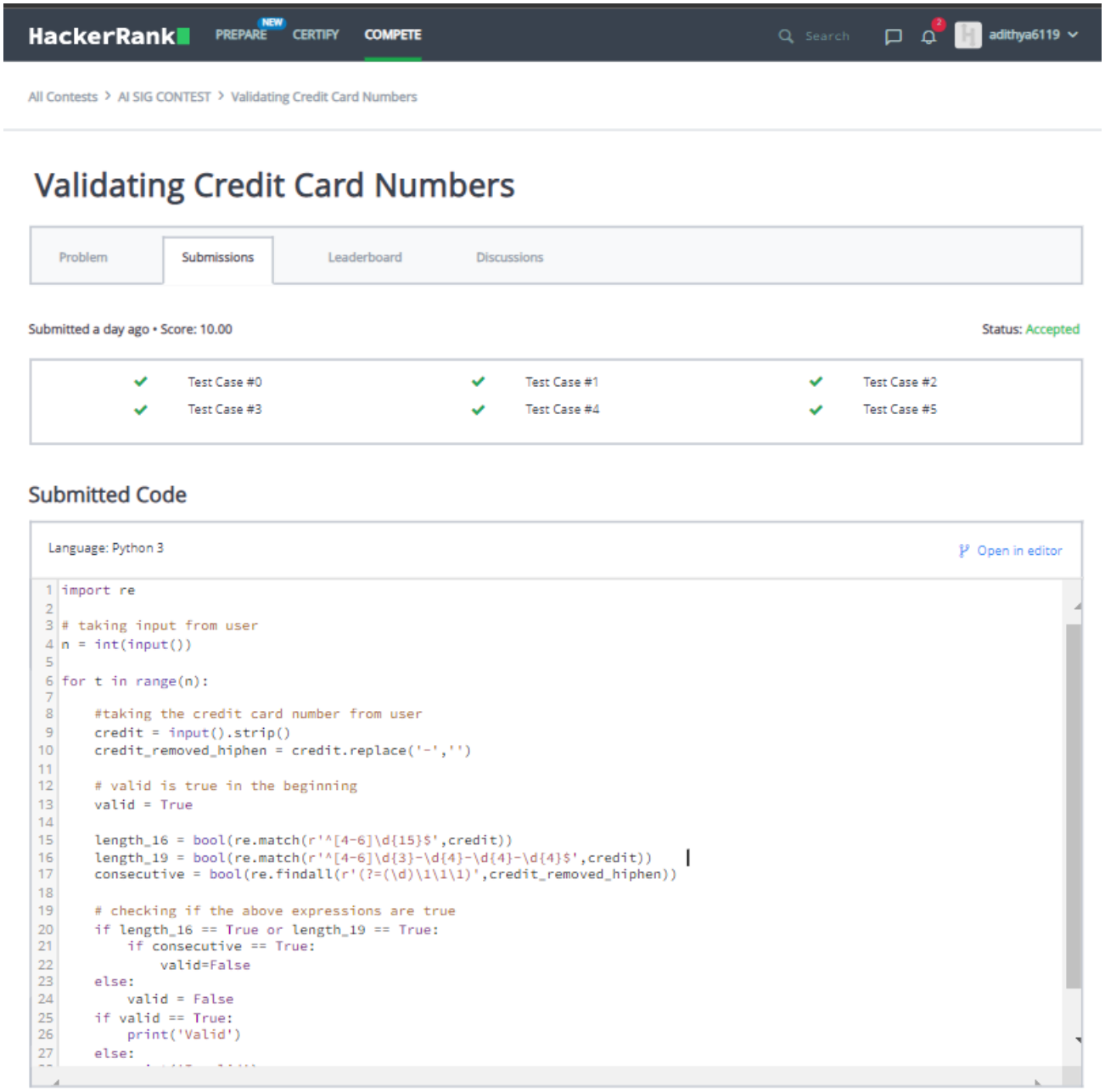
All Contests > AI SIG CONTEST > Triangle Quest 2
Triangle Quest 2
Problem
Submissions
Leaderboard
Discussions
Submitted a day ago • Score: 10.00
Status: Accepted
Test Case #0
Test Case #1
Test Case #2
Test Case #3
Test Case #4
Test Case #5
Submitted Code
Language: Python 3
Open in editor
1 for i in range(1,int(input())+1):
2 print (((10**i - 1)//9)**2)

5.


HackerRank
PREPARE
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All Contests › AI SIG CONTEST › Validating Credit Card Numbers
Validating Credit Card Numbers
Problem
Submissions
Leaderboard
Discussions
Submitted a day ago • Score: 10.00
Status: Accepted
Test Case #0
Test Case #1
Test Case #2
Test Case #3
Test Case #4
Test Case #5
Submitted Code
Language: Python 3
Open in editor
import re
# taking input from user
n = int(input())
for t in range(n):
#taking the credit card number from user
credit = input().strip()
credit_removed_hiphen = credit.replace('-','')
# valid is true in the beginning
valid = True
length_16 = bool(re.match(r'^[4-6]\d{15}$',credit))
length_19 = bool(re.match(r'^[4-6]\d{3}-\d{4}-\d{4}-\d{4}$',credit))
consecutive = bool(re.findall(r'(?=(\d)\1\1\1)',credit_removed_hiphen))
# checking if the above expressions are true
if length_16 == True or length_19 == True:
if consecutive == True:
valid=False
else:
valid = False
if valid == True:
print('Valid')
else: