Task 2 AI-ACM SIG Tasks

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1.

All Contests > AI SIG CONTEST > Company Logo

Company Logo

| Problem | Submissions | Leaderboard | Discussions |

Submitted 3 days ago • Score: 10.00   Status: Accepted

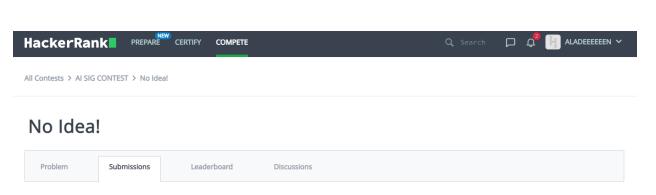| ✔ Test Case #0 | ✔ Test Case #1 | ✔ Test Case #2 |
| ✔ Test Case #3 | ✔ Test Case #4 | ✔ Test Case #5 |

Submitted Code

Language: Python 3   ⌥ Open in editor

```python
import math
import os
import random
import re
import sys
from collections import Counter

if __name__ == '__main__':
    s = sorted(input().strip())
    s_counter =Counter(s).most_common()
    s_counter = sorted(s_counter, key=lambda x: (x[1] * -1, x[0]))
    for i in range(0, 3):
        print(s_counter[i][0], s_counter[i][1])
```

2.

All Contests > AI SIG CONTEST > Time Delta

Time Delta

Problem	Submissions	Leaderboard	Discussions

Submitted 3 days ago • Score: 10.00   Status: Accepted

✔ Test Case #0	✔ Test Case #1	✔ Test Case #2

Submitted Code

Language: Python 3   ⑃ Open in editor

```python
1  import math
2  import os
3  import random
4  import re
5  import sys
6
7  from datetime import datetime
8
9  # Complete the time_delta function below.
10 def time_delta(t1, t2):
11
12     first = datetime.strptime(t1,'%a %d %b %Y %H:%M:%S %z')
13     second = datetime.strptime(t2,'%a %d %b %Y %H:%M:%S %z')
14     return str(abs(int((first-second).total_seconds())))
15
16 if __name__ == '__main__':
17     fptr = open(os.environ['OUTPUT_PATH'], 'w')
18
19     t = int(input())
20
21     for t_itr in range(t):
22         t1 = input()
23
24         t2 = input()
25
26         delta = time_delta(t1, t2)
27
28         fptr.write(delta + '\n')
29
30     fptr.close()
```

3.

All Contests > AI SIG CONTEST > No Idea!

No Idea!

Problem	Submissions	Leaderboard	Discussions

Submitted 3 days ago • Score: 10.00   Status: Accepted

✔	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

```python
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)
```
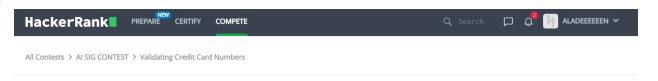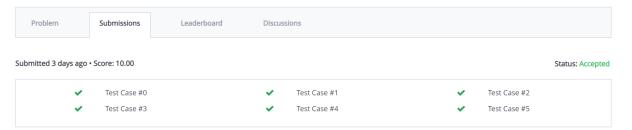
4.

All Contests > AI SIG CONTEST > Triangle Quest 2

Triangle Quest 2

Problem	Submissions	Leaderboard	Discussions

Submitted 3 days 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

```python
for i in range(1,int(input())+1):
    print (((10**i - 1)//9)**2)
```

5.

All Contests > AI SIG CONTEST > Validating Credit Card Numbers

Validating Credit Card Numbers

Problem	Submissions	Leaderboard	Discussions

Submitted 3 days 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

```python
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 beggining
    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:
        print('Invalid')
```