

## 1. Company Logo

Submitted 36 minutes 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: PyPy3 [Open in editor](#)

```
1 import math
2 import os
3 import random
4 import re
5 import sys
6 from collections import Counter
7
8 if __name__ == '__main__':
9     s = sorted(input().strip())
10    s_counter = Counter(s).most_common()
11    s_counter = sorted(s_counter, key=lambda x: (x[1] * -1, x[0]))
12    for i in range(0, 3):
13        print(s_counter[i][0], s_counter[i][1])
```

## 2. Time Delta

Submitted 22 minutes ago • Score: 10.00

Status: Accepted

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
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### Submitted Code

Language: Python 3 [Open in editor](#)

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

### 3. No Idea

Submitted 30 minutes 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](#)

```
1 if __name__=="__main__":
2     happiness = 0
3     n,m = map(int, input().strip().split(' '))
4     arr = list(map(int, input().strip().split(' ')))
5
6     good = set(map(int, input().strip().split(' ')))
7     bad = set(map(int, input().strip().split(' ')))
8
9     for i in arr:
10         if i in good:
11             happiness += 1
12         elif i in bad:
13             happiness -= 1
14     print(happiness)
```

### 4. Triangle Quest 2

Submitted 31 minutes 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 x in range(1,int(input())+1):
2     print(((10**x - 1)//9)**2)
```

## 5. Validating Credit Card Numbers

Submitted 31 minutes 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 import re
2
3 # taking input from user
4 n = int(input())
5
6 for t in range(n):
7
8     #taking the credit card number from user
9     credit = input().strip()
10    credit_removed_hiphen = credit.replace('-', '')
11
12    # valid is true in the beggining
13    valid = True
14
15    length_16 = bool(re.match(r'^[4-6]\d{15}$', credit))
16    length_19 = bool(re.match(r'^[4-6]\d{3}-\d{4}-\d{4}-\d{4}$', credit))
17    consecutive = bool(re.findall(r'(?=(\d)\1\1\1)', credit_removed_hiphen))
18
19    # checking if the above expressions are true
20    if length_16 == True or length_19 == True:
21        if consecutive == True:
22            valid=False
23    else:
24        valid = False
25    if valid == True:
26        print('Valid')
27    else:
28        print('Invalid')
```