All Contests > Apr 2021 : CCC SRM KTR : CPS01 : Python Practice > Time Delta

Time Delta

Problem	Submissions

When users post an update on social media,such as a URL, image, status update etc., other users in their network are able to view this new post on their news feed. Users can also see exactly when the post was published, i.e, how many hours, minutes or seconds ago.

Since sometimes posts are published and viewed in different time zones, this can be confusing. You are given two timestamps of one such post that a user can see on his newsfeed in the following format:

```
Day dd Mon yyyy hh:mm:ss +xxxx
```

Here +xxxx represents the time zone. Your task is to print the absolute difference (in seconds) between them.

Input Format

The first line contains T, the number of testcases.
Each testcase contains 2 lines, representing time t_1 and time t_2.

Solved: 716
Attempted: 722

Constraints

- Input contains only valid timestamps
- $year \leq 3000$.

Output Format

Print the absolute difference $(t_1 - t_2)$ in seconds.

Sample Input 0

```
2
Sun 10 May 2015 13:54:36 -0700
Sun 10 May 2015 13:54:36 -0000
Sat 02 May 2015 19:54:36 +0530
Fri 01 May 2015 13:54:36 -0000
```

◄

Sample Output 0

```
25200
88200
```

Explanation 0

In the first query, when we compare the time in UTC for both the time stamps, we see a difference of 7 hours. which is 7×3600 seconds or 25200 seconds.

Similarly, in the second query, time difference is 5 hours and 30 minutes for time zone adjusting for that we have a difference of 1 day and 30 minutes. Or $24 \times 3600 + 30 \times 60 \Rightarrow 88200$

f t in

Contest ends in 1 day 6 hours 4 minutes 28 seconds

Submissions: 701
Max Score: 50

Rate This Challenge:
☆ ☆ ☆ ☆ ☆

More

```python
from datetime import datetime

if __name__ == '__main__':
    t = int(input())
    for _ in range(t):
        s1 = input()
        s2 = input()
        t1 = datetime.strptime(s1, "%a %d %b %Y %H:%M:%S %z")
        t2 = datetime.strptime(s2, "%a %d %b %Y %H:%M:%S %z")
        print(abs(int((t1-t2).total_seconds())))
```

Line: 10 Col: 49

Upload Code as File   ☐ Test against custom input   Run Code   Submit Code