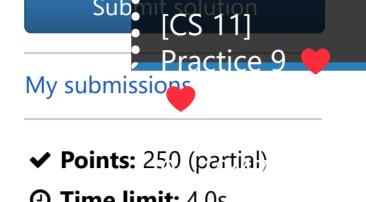# [CS 11] Prac 9f – Manic Mondays

Problem Statement

Most people find Mondays dreadful. Not you though—you love Mondays! Monday is the start of the week's classes, and you are always very eager to learn new things, so you are always looking forward to Mondays!

The next semester is about to start, and you're excited for many Mondays to come! So you want to know how many Mondays you can look forward to.

Given two dates, how many Mondays are between them?

Hint:

- The `date` data type from the `datetime` module can easily determine the weekday of a given date. You should use it! (Please read its documentation.)

Task Details

Your task is to implement a function called `mondays`. This function has two parameters, both `str`s denoting the two dates. Each date is formatted as `month day, year` where `month` is one of: `January`, `February`, `March`, `April`, `May`, `June`, `July`, `August`, `September`, `October`, `November`, `December`.

The function must an `int` denoting the number of days between the given dates, inclusive.

Restrictions

(See 9a for more restrictions)

For this task, the following imports are allowed:

- the `date`, `datetime`, and `timedelta` data types from the `datetime` module.

For this problem in particular:

- Recursion is **disallowed**. (The recursion limit has been greatly reduced.)
- The source code limit is 2000.

Example Calls

Example 1 Function Call

```
mondays('July 2, 2024', 'August 16, 2024')
```
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Example 1 Return Value

```
6
```
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Constraints

- The function `mondays` will be called at most 10,000 times.
- The years will be between 1800 and 8200.
- The first input date is not after the second input date.

Scoring

- You get 200 💖 points if you solve all test cases where:
  - `mondays` will be called at most 50 times.
  - the year is at most 3000.
- You get 50 💔 points if you solve all test cases.

❓ Clarifications

Report an issue

No clarifications have been made at this time.