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Exercise 3 - Data Overlap

Overview

My Submissions/Test Runs

 This exercise is HARD

Instructions

Take a look inside **file1.txt** and **file2.txt**. They each contain a bunch of numbers, each number on a new line.

You are going to create a list called `result` which contains the numbers that are **common** in both files.

e.g. if `file1.txt` contained:

```
1
2
3
```

and `file2.txt` contained:

```
2
3
4
```

`result = [2, 3]`

IMPORTANT: The result should be a list that contains **Integers**, not **Strings**. Try to use **List Comprehension** instead of a **Loop**.

Example Output

```
[3, 6, 5, 33, 12, 7, 42, 13]
```

Hint

1. Use the keyword method for starting the List comprehension and fill in the relevant parts.
2. First, you will need to read from the files and create a list using the lines in the files.
3. This method will be really useful: https://www.w3schools.com/python/ref_file_readlines.asp
4. Remember you can check if a value exists in a list using the **in** keyword. https://www.w3schools.com/python/ref_keyword_in.asp
5. Remember you can convert a string to an int using the `int()` method. https://www.w3schools.com/python/ref_func_int.asp

Test Your Code

Check your code is doing what it is supposed to. When you're happy with your code, click submit to check your solution.

Solution

<https://repl.it/@appbrewery/day-26-3-solution>

OPEN ASSIGNMENT WORKSPACE