

COMBINER HW, DUE: OCTOBER 10, 11:59PM EST

1. INSTRUCTIONS

1.1. **What to look at.** The only references you may use for this lab are:

- The mrjob api reference: <https://mrjob.readthedocs.io/en/latest/>
- Any material on Canvas

In particular, do not use stackoverflow or chegg or ChatGPT or MS Copilot for two reasons, they often give bad advice.

1.2. **How to collaborate.**

- Write down (in your code) the names of people you collaborate with.
- Cannot look at each other's code. You can collaborate by discussing ideas.

1.3. **Getting the code and submitting the code.** Use update-starter to get the code and submit to gradescope. You can submit multiple times based on autograder responses **Make sure to only commit human-generated files, and no other files into your repository.**

After running update-starter, you should see an **debuglab** directory for this assignment.

1.4. **The Assignment.**

Question 1. Do question 1 from MRLab (the first mapreduce lab), but this time using a combiner. Your code, test data, and expected output should be placed in the files in **combiner/lab1q1**

Question 2. Do question 2 from MRLab (the first mapreduce lab), but this time using a combiner. Your code, test data, and expected output should be placed in the files in **combiner/lab1q2**

Question 3. Do question 2 from MRLab2 (the second mapreduce lab), but this time using a combiner. Your code, test data, and expected output should be placed in the files in **combiner/labtwoq2**