Some Hints on project 4:

Do not assume, print your values to see what you are passing and what you are returning from a function. Test each function as you implement.

1) Create two classes (if you do not remember how, check the slides and examples posted in the Modules section of Canvas)
    a. Create class Division, with given attributes name
    b. Create class Graduate, with given attributes name

2) Need to read the csv file (csv: comma separated value file that separates values by comma)
    a. similar to your lab 8, or examples we did in the class (posted in Canvas)
    b. first 3 lines is header
    c. data starts from 4th line
    d. your function returning two lists of string that holds the header and data values.
3) Now you are ready to create objects of Division class
    a. You have list of data values as string
    b. Access each value the first value is id. Division id has 00 at the end.
    c. Create an object and append to list of Division object
4) Same for Graduate objects.
    a. From list of values, select the id that the last two digit is not 00
    b. Create Graduate object based on the attributes
5) Create files
    a. Use list of Graduate objects,
    b. To find each division majors, and
    c. Write to their own files in a given format
6) find_total_avg
    a. From list of Division objects for each Division
    b. Find the total and average graduate for all majors in Division and create a list of tuples
    c. There are 4 Division objects, therefore your output will be list of 4 tuples.

    Pseudocode:

    for each Division object:
        for each major in graduate list objects :
            if they are in the same division
                add graduate value of each level
        append (total, average) to the list
7) find_graduate_rate
    a. from list of Graduate objects
    b. search for a given major
    c. return males and females graduate for all levels (bachelor, master, and doctoral)
    8) print results for the last 4 questions on screen. You can create any necessary extra functions as you need.