Problem Set 1

Part A

Problem 1

Clone the **rclass2_spring2020** repository to your local machine: https://github.com/Rucla-ed/rclass2_spring2020

Write the git command you used here:

Problem 2

Change directory into **rclass2_spring2020**. Write the command you used here:

What is the command to list all the directory contents in **rclass2_spring2020**, including hidden files and directories (ie. entries starting with `.`)?

Copy the output here:

Problem 3

Since **rclass2_spring2020** is a git repository, you can run git commands in this directory. What is the command to check the current state of the repository?

Copy the output here:

Problem 4

Recall from lecture that when you cloned this repository, your local repository is automatically connected with the remote: https://github.com/Rucla-ed/rclass2_spring2020

You can verify this connection by running `git remote -v`. Copy the output of this command here:

Problem 5

Navigate to the issues tab for the **rclass2_spring2020** repository here: https://github.com/Rucla-ed/rclass2_spring2020/issues

Create a new issue titled "Problem Set 1 - YOUR NAME" and post a question of your choice. Add the "question" label to your issue and assign it to 3 students in the class who you do not know.

Once your issue received 3 responses, close the issue. If other students assigned you to their issue, make sure to post your response as well. You should get an email notification if you were assigned to an issue.

Part B

Problem 6

Recall your personal **student_lastname** repository that you've cloned during class. Navigate to this directory in your command line.

Print out the current working directory. What is the command you used?

Copy the output here:

Problem 7

Create a new folder called **scripts** inside **student_lastname** via the command line. Write the command you used here:

Change directory into the **scripts** folder and write the command you used here:

Problem 8

Inside the **scripts** folder, create a file called `problemset1.R` via the command line. Write the command you used here:

Open `problemset1.R` in RStudio to edit the file and perform the following tasks:

- Load the `tidyverse` library
- Preview the first 5 rows of the `mpg` dataframe
- Filter the `mpg` dataframe to include only Ford Mustang's that were built after the year 2000

Problem 9

In your terminal, navigate back to your **student_lastname** directory (ie. the parent directory of **scripts**). Write the command you used here:

Check the status of the repository and copy the output here:

Problem 10

Add the new file you've created (`problemset1.R`) to the staging area. Write the git command you used here:

Commit your changes with a message of your choice and write the git command you used here:

Push your changes to the remote repository and write the git command you used here:

Finally, add this file (`problemset1.Rmd`) to the **scripts** folder and push to the remote repository as well.