PsychHacks2019

University of Toronto

Thank you for attending!

Why are we here?

1) Learn and practice coding skills
2) Answer interesting questions
3) To have fun!

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Meet your organizing committee…

Ariana Youm

Kyle Nealy

Annabel Fan

Rachel Forbes

Bryan Hong

Alex Gordienko

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Special thank you to…

Dr. Katherine Duncan

Dr. Michael Mack

UTGSU

Psychology
UNIVERSITY OF TORONTO

SUPPORTED BY STUDENT INITIATIVE FUND
The Division of Student Life

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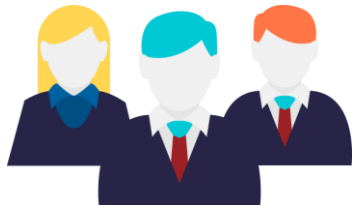
What are we doing?



1 Form your teams

2 Get a dataset

3 Come up with research questions

4 Solve those questions!

5 Submit to Github

6 Present your findings!

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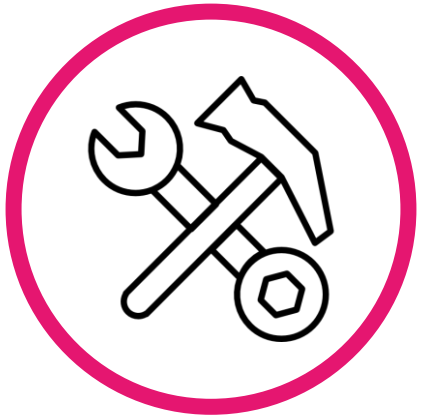
Judging Criteria

Design and Discovery

10 points



Methods

15 points

Execution

10 points

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Awards

First Prize

$25 Amazon Gift Card

Second Prize

$15 Starbucks Gift Card

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Datasets

What is your team interested in?

General Social Survey

VR Spatial Navigation

Eyetracking

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Datasets

What is your team interested in?

…or you can choose your own adventure!
(Nature Scientific Data, Open Science Framework,
Harvard Dataverse, Google Dataset Search, etc.)

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Schedule

Friday, May 3

Time	Event
6:00PM	Registration
6:15PM	Hackathon Kickoff
6:30PM	Team Formation
7:00PM	Intro to Git Icebreaker
7:30PM	Hacking Begins/Pizza Party
12:00AM	Midnight Snacks

Saturday, May 4

Time	Event
9:00AM	Breakfast
11:00AM	Machine Learning Workshop
12:00PM	Lunch
1:00PM	R Markdown Website
4:00PM	Submissions Due
4:30PM	Project Presentations + Awards

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Make your teams!

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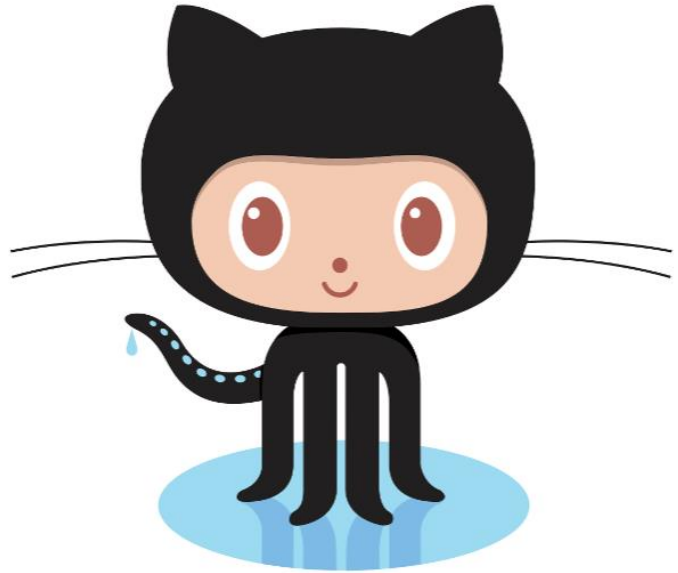
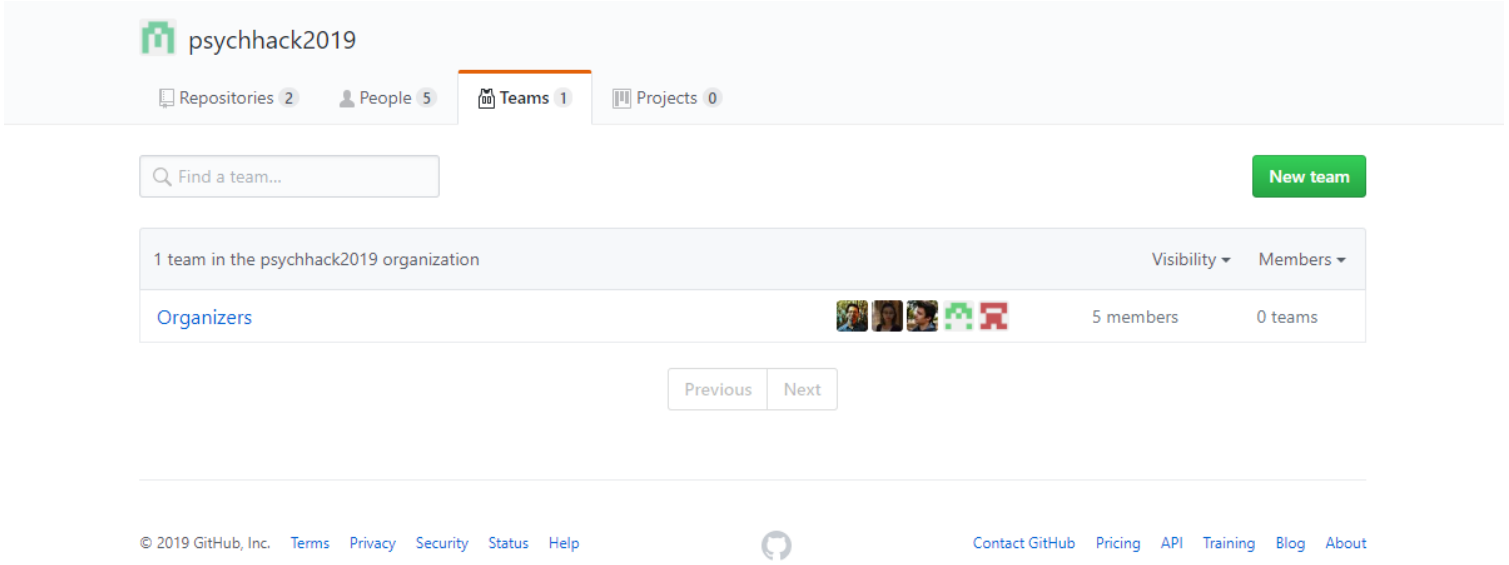
Introduction to **GitHub**



Getting started

1. Make a GitHub account https://github.com/
2. Join psychhack2019 organization
3. Make a new team



What is Git(Hub)?

Distributed version control system - Git

Files are stored in a central location (GitHub)

Allows teams to collaborate on files

Branching from the master branch allows for testing of code before changes are merged back to the master

GitHub keeps a record of individual contributions and changes

Using Git

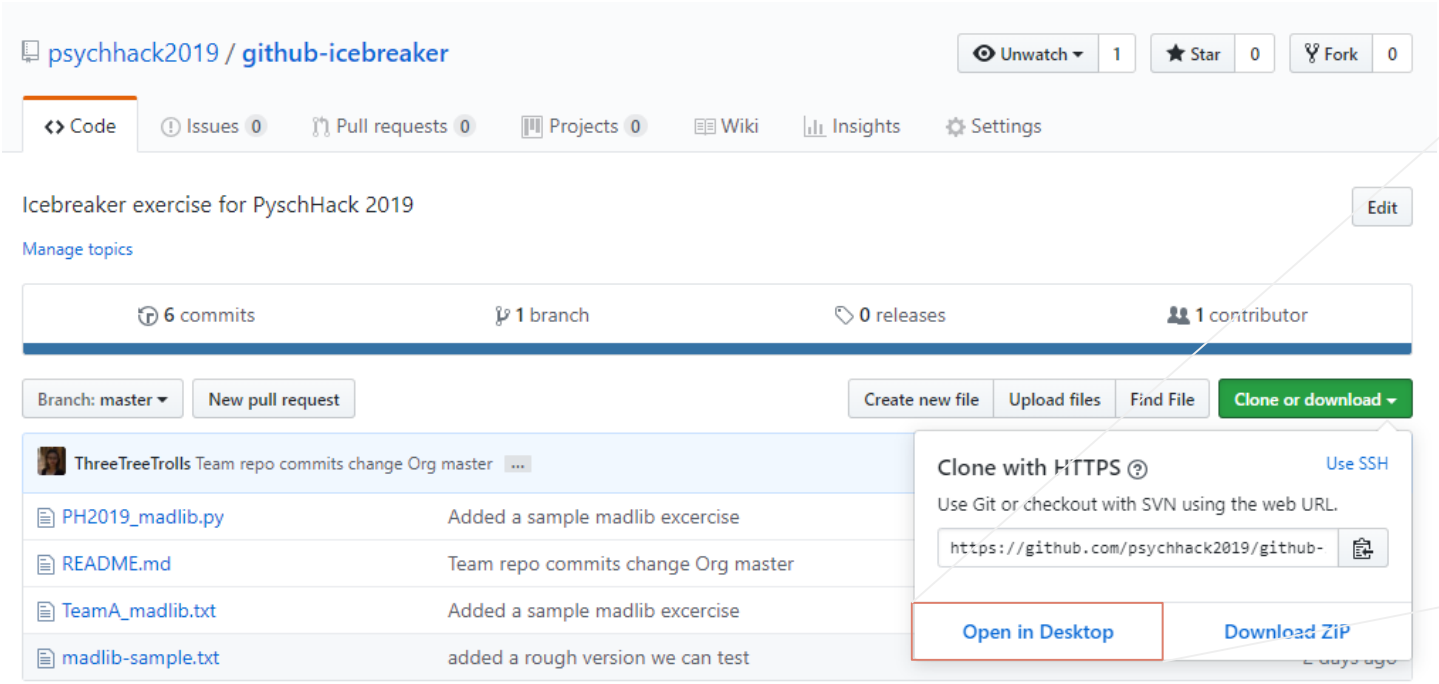
1. Download Git https://git-scm.com/

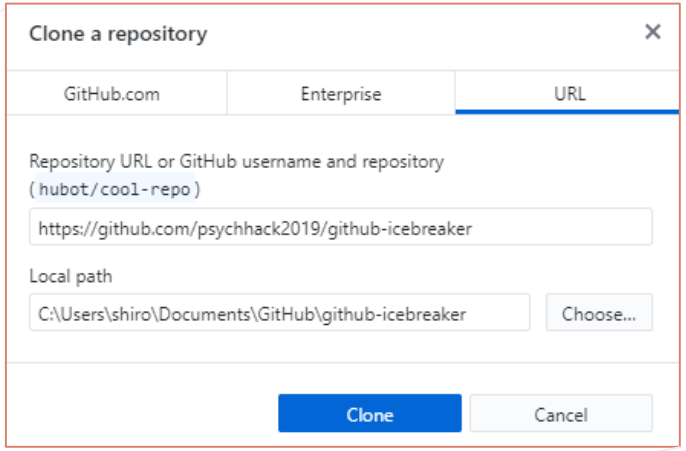
   GitDesktop https://help.github.com/en/desktop/getting-started-with-github-desktop

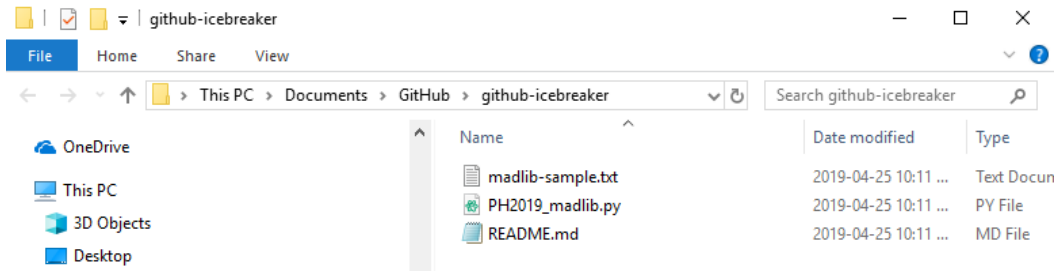
1. Go to this GitHub Classroom link *https://classroom.github.com/g/E7qOcD8z*

1. Join or create new team for your group

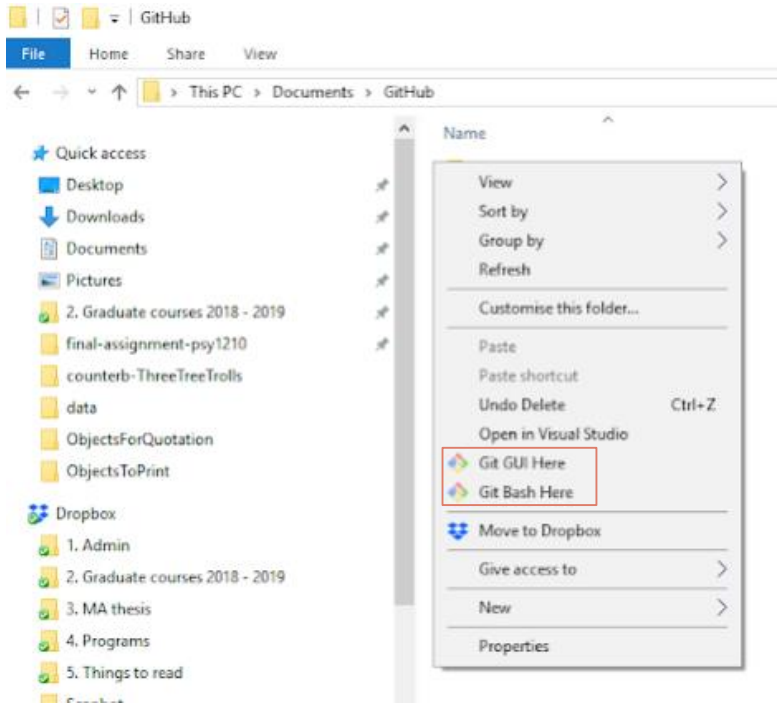
3a. Clone or download a local copy of the repository

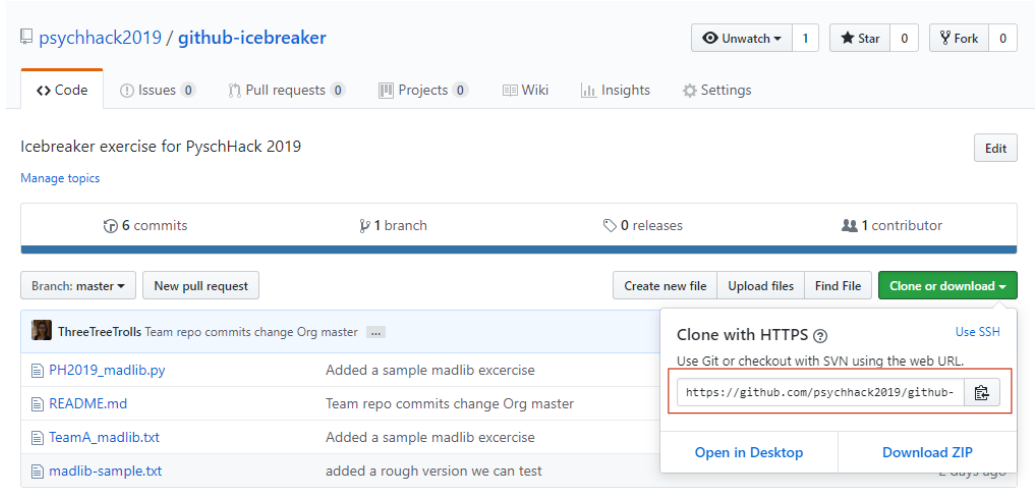


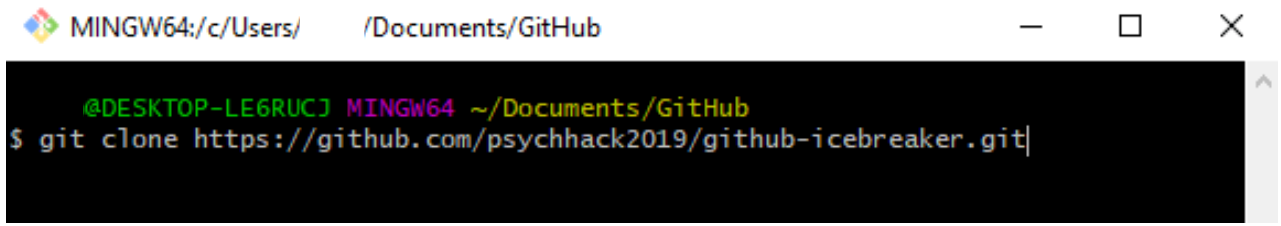


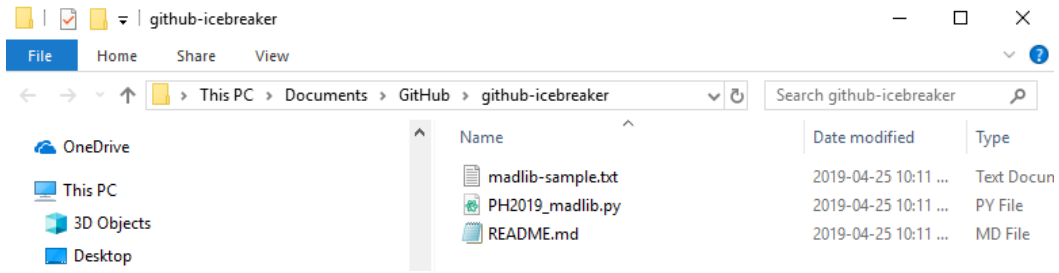


3b. Clone or download a local copy of the repository



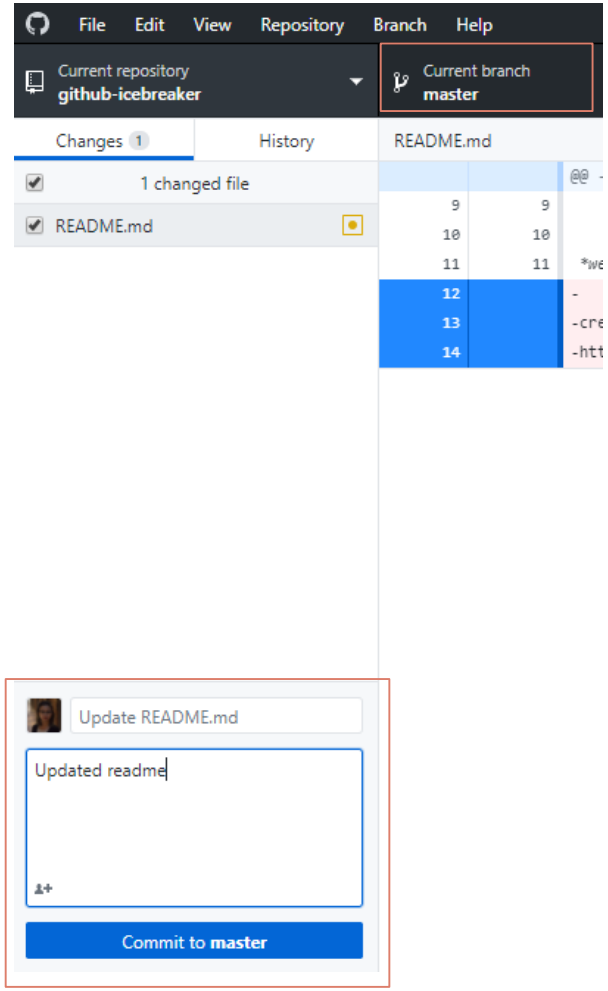


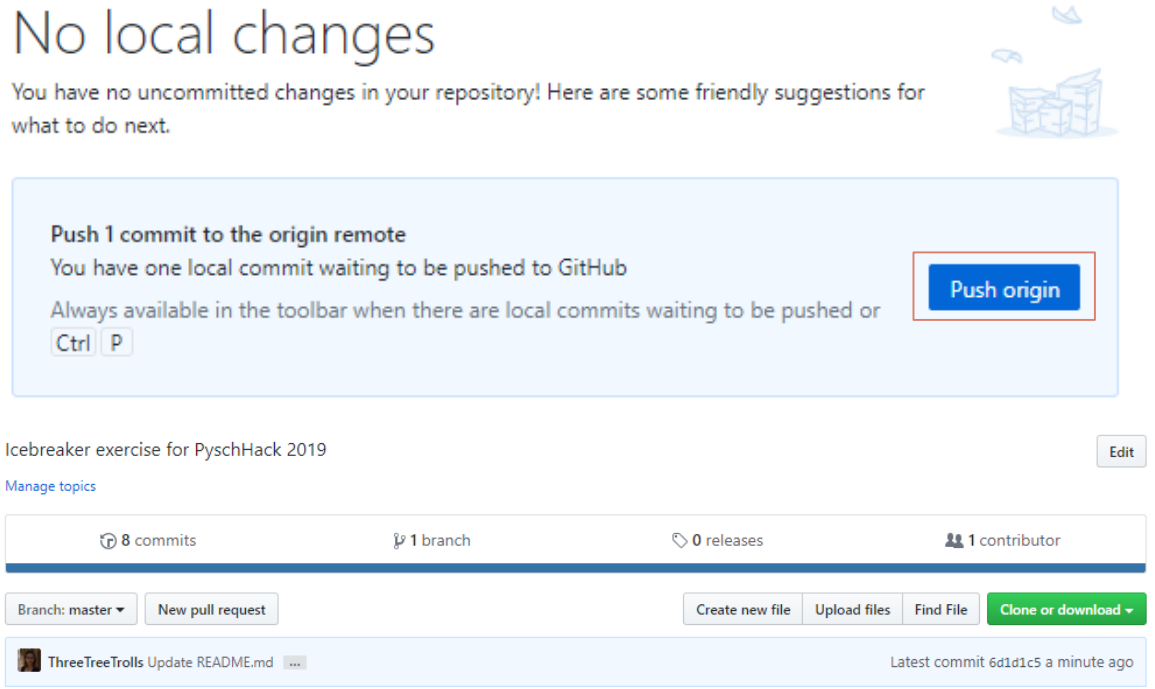




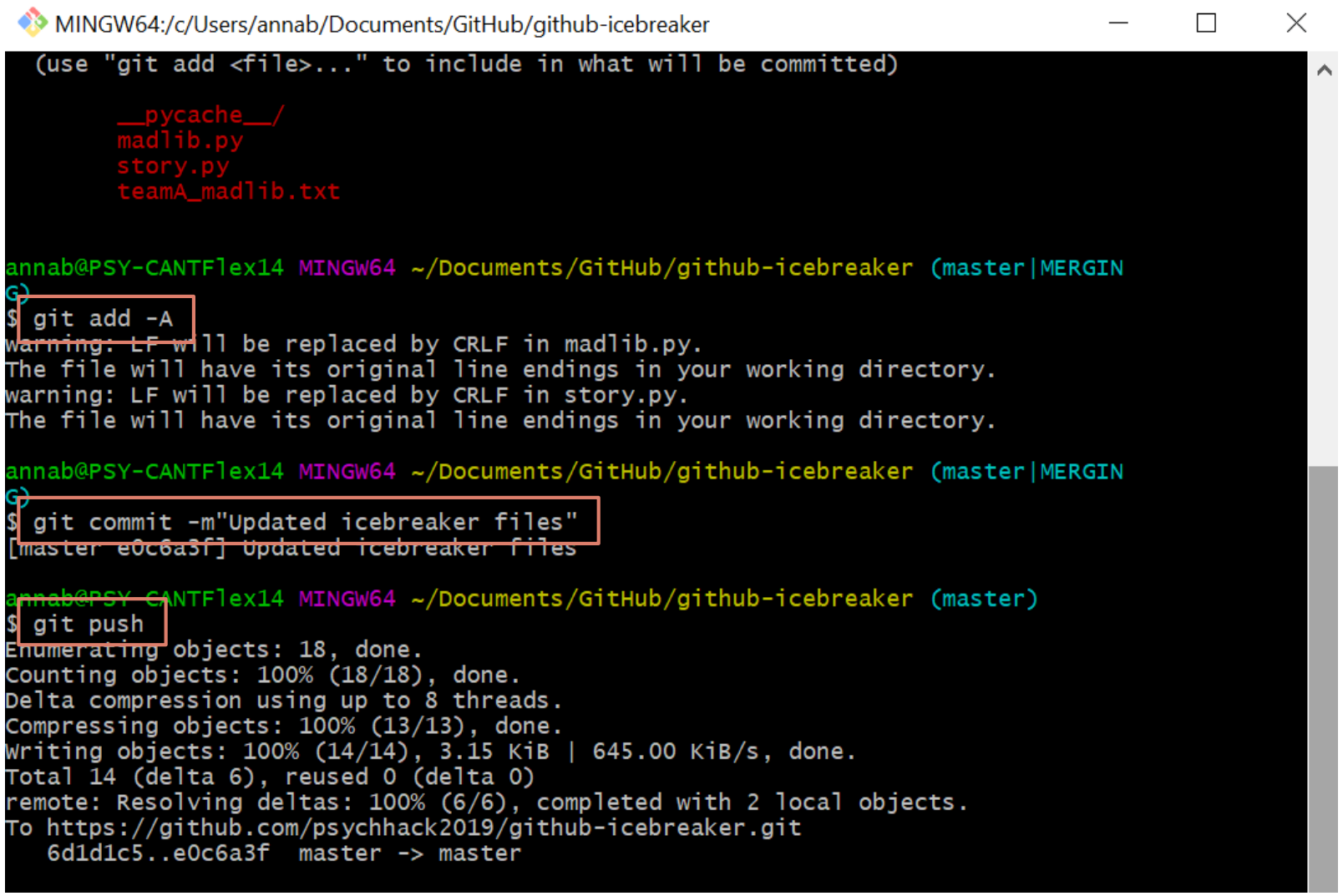
4. Make changes to local files

5a. Commit and push changes to desired branch





5b. Commit and push changes to desired branch

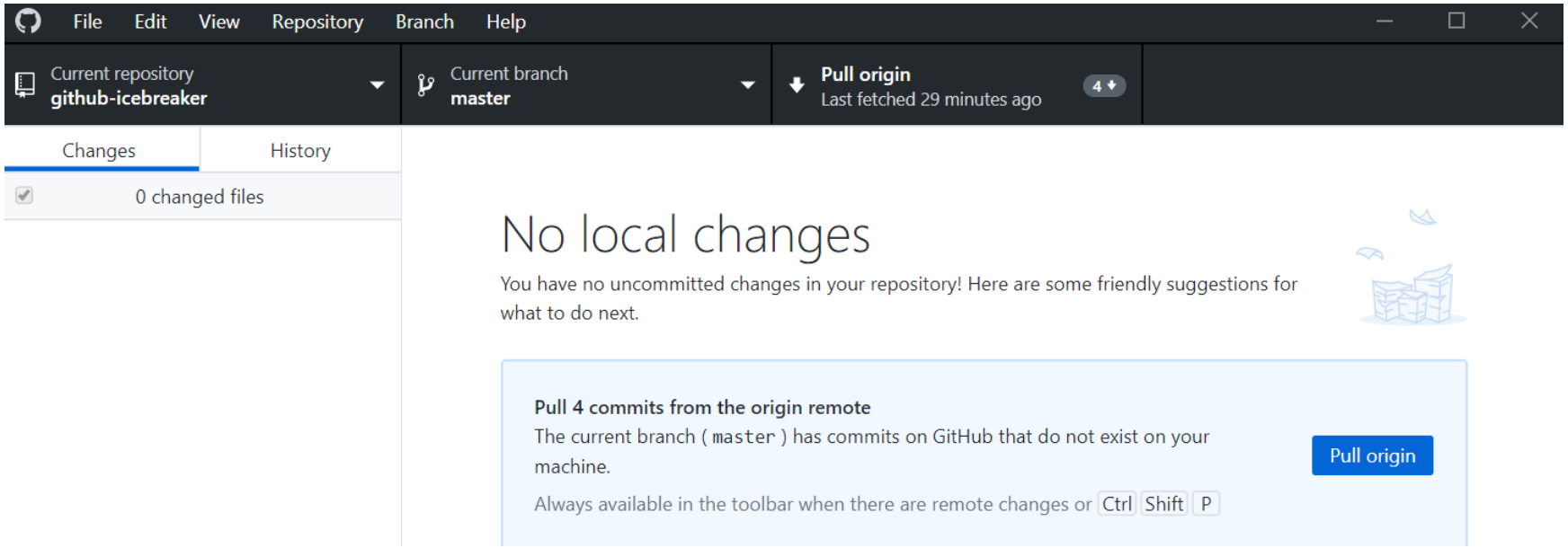


> git add

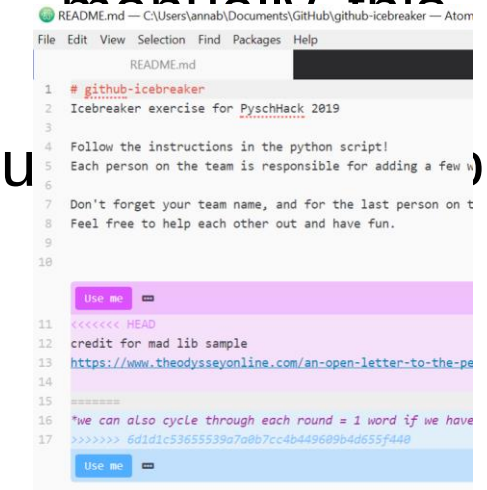
> git commit -m “notes”

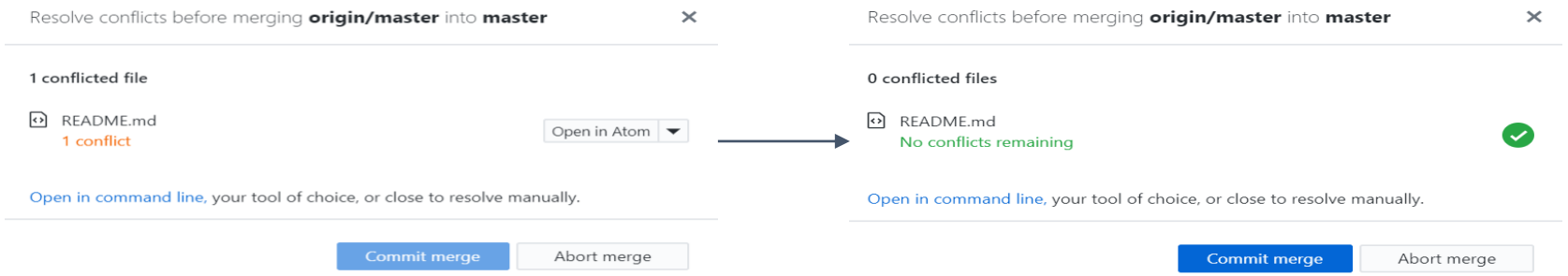
> git push

6a. Pull changes from the master



conflicting changes are resolved manually, this u or

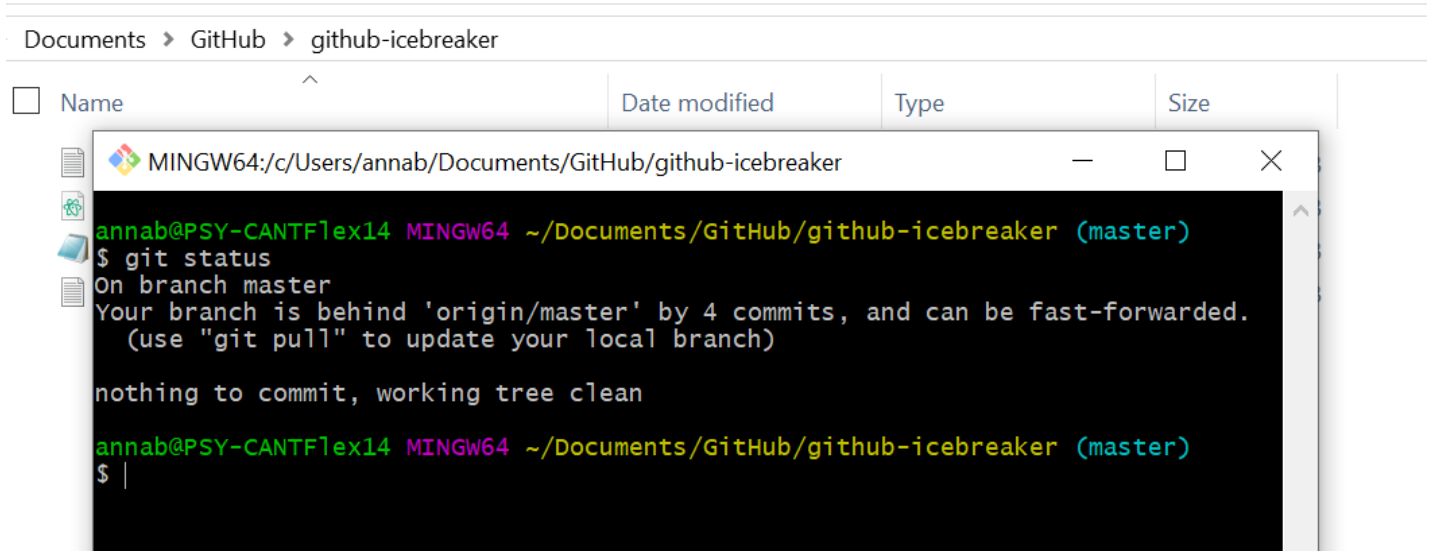




6b. Pull changes from the master

> git status

> git pull




```
<<<<<<< HEAD
credit for sample
https://www.theodysseyonline.com/an-open-letter-to-the-people-who-dont-tip-their-servers

=======
*we can also cycle through each round = 1 word if we have less words
>>>>>>> 6d1d1c53655539a7a0b7cc4b449609b4d655f440
```

make new changes

```
<<<<<<< HEAD
credit for sample:
https://www.theodysseyonline.com/an-open-letter-to-the-people-who-dont-tip-their-servers
=======
*we can also cycle through each round = 1 word if we have less words
>>>>>>> 6d1d1c53655539a7a0b7cc4b449609b4d655f440
```

delete conflict markers & unnecessary changes

Madlib relay!

You and your teammates will work together to complete a madlib story

1. Accept the invitation to the GitHub Classroom assignment
2. Make edits to the file, commit, and push in a team relay race
3. When your team is done editing madlib.py have the last person run it
4. Check that the story text file has been generated successfully
5. Once your team is finished, have everyone sit back down

How the relay will work:
person 1: edit, commit, push > person 2: pull, edit, commit, push...