

How to Complete Today's Assessment

Find the Assessment on GitHub

<https://github.com/zipfian/assessment-day1>

The screenshot shows the GitHub interface for the repository `zipfian / assessment-day1`, which is marked as **PRIVATE**. The browser's address bar shows the URL `https://github.com/zipfian/assessment-day1/`. The repository header includes buttons for `Pull requests`, `Issues`, and `Gist`, along with interaction counts: `Unwatch` (24), `Star` (0), and `Fork` (137). The repository description section contains two input fields: `Short description of this repository` and `Website for this repository (optional)`, with `Save` and `or Cancel` buttons. Below this, a summary bar displays `14 commits`, `3 branches`, `0 releases`, and `2 contributors`. A green button with a fork icon is next to the `branch: master` dropdown, followed by the repository name `assessment-day1` and a `+` button. A `update` banner shows the latest commit by `gioravioli` on `Apr 3`, with the commit hash `e9b5bf45ff`. On the right sidebar, the `<> Code` button is highlighted, and other options like `Issues` (0), `Pull requests` (14), `Wiki`, and `Pulse` are visible.

GitHub, Inc. [US] <https://github.com/zipfian/assessment-day1/>

This repository Search Pull requests Issues Gist

zipfian / **assessment-day1** PRIVATE

Unwatch 24 Star 0 Fork 137

Description Website

Short description of this repository Website for this repository (optional) Save or Cancel

14 commits 3 branches 0 releases 2 contributors

branch: master assessment-day1 / +

update

gioravioli authored on Apr 3 latest commit e9b5bf45ff

<> Code

Issues 0

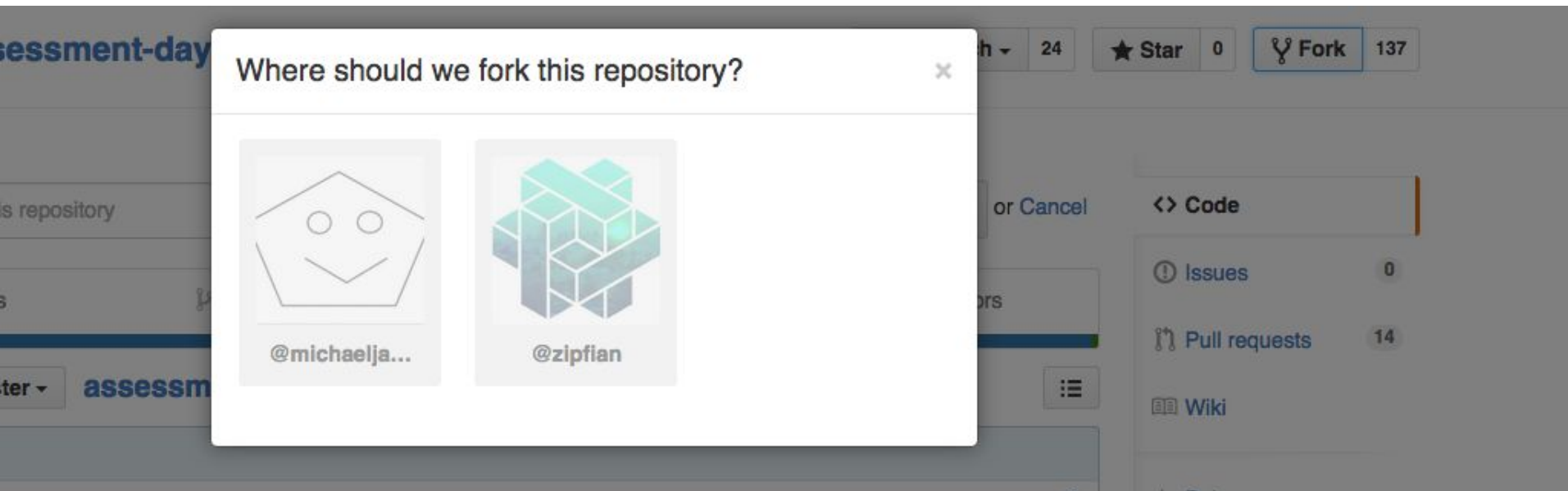
Pull requests 14

Wiki

Pulse

Fork the Assessment Repo

- click the *Fork* button on the top right
- choose your GitHub account



Find the Assessment in Your Account

The screenshot shows a web browser window displaying a GitHub repository page. The address bar shows the URL `https://github.com/michaeljancsy/assessment-day1`. The repository is titled "michaeljancsy / assessment-day1" and is marked as "PRIVATE". It has 14 forks, 0 stars, and 137 forks. The repository is a fork of "zipfian/assessment-day1".

The repository description is "Short description of this repository". The website is "Website for this repository (optional)".

The repository has 15 commits, 3 branches, 0 releases, and 2 contributors.

The current branch is "master". The repository is 1 commit ahead of "zipfian:master".

The commit history shows a commit titled "done with assessment" by "michaeljancsy" 17 minutes ago. The commit message is "done with assessment". The commit hash is "3b70bf6691".

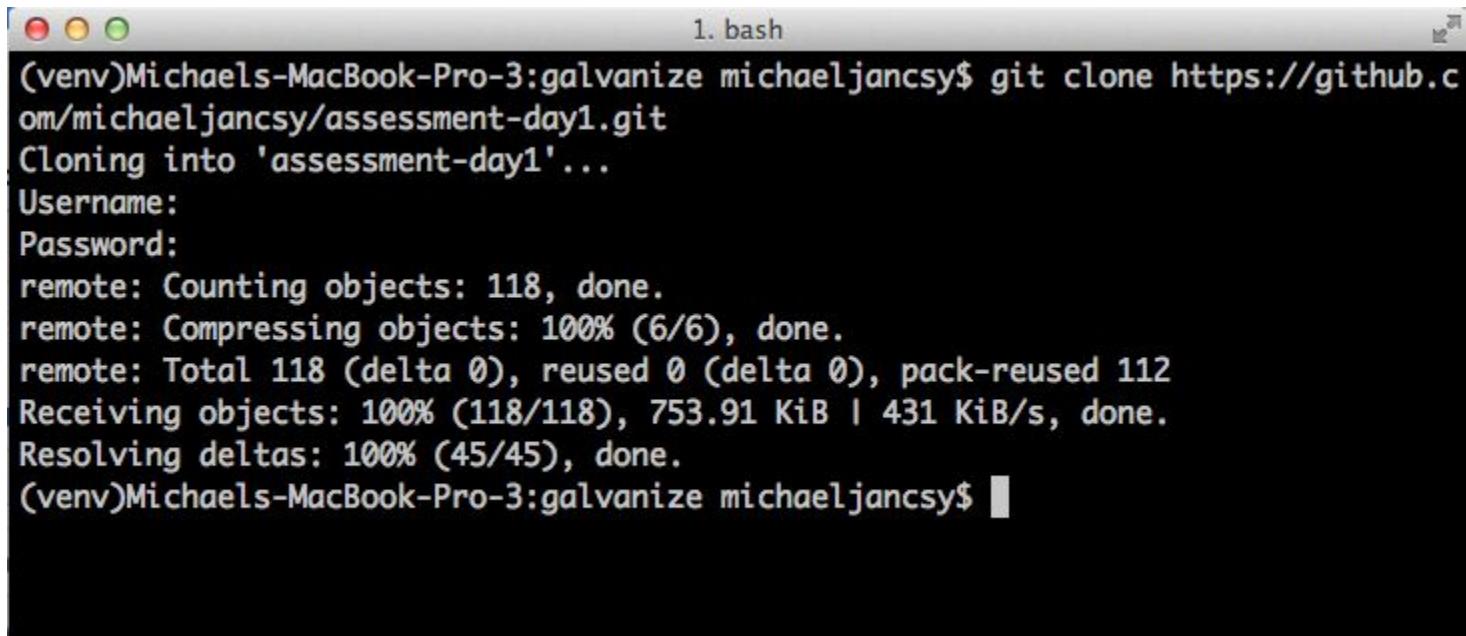
The commit details show a table of files and their changes:

File	Change	Time
code	done with assessment	17 minutes ago
data	SQL questions	a year ago
math	done with assessment	17 minutes ago
test	Reduce to 12 questions	a year ago

The right sidebar shows the repository's code, pull requests, wiki, pulse, graphs, and settings. The "Code" section is active, showing the "HTTPS clone URL" as `https://github.com/i`. Below the URL, it says "You can clone with HTTPS, SSH, or Subversion."

Clone the Assessment Repo Locally

```
git clone https://github.com/(your name)/assessment-day1.git
```

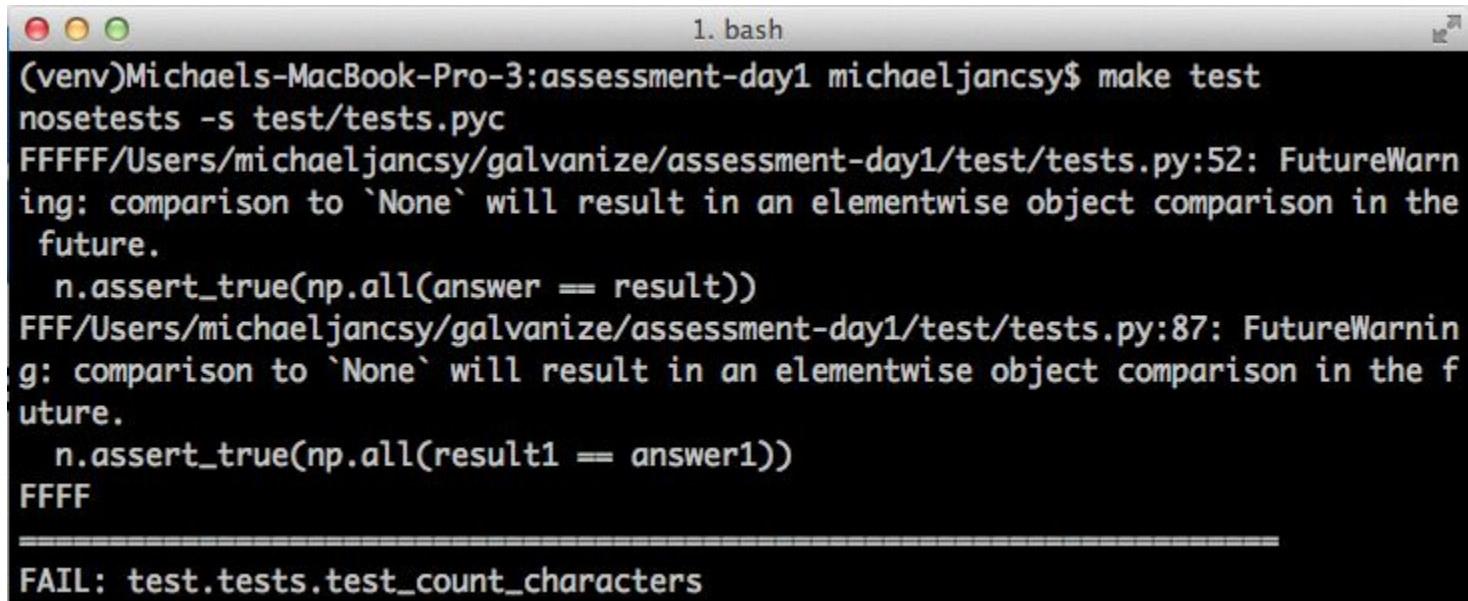
A terminal window titled "1. bash" with standard macOS window controls (red, yellow, green buttons) in the top-left corner. The terminal shows the execution of the command `git clone https://github.com/michaeljancsy/assessment-day1.git` from a prompt `(venv)Michaels-MacBook-Pro-3:galvanize michaeljancsy$`. The output includes "Cloning into 'assessment-day1'...", prompts for "Username:" and "Password:", and progress reports from the remote repository: "remote: Counting objects: 118, done.", "remote: Compressing objects: 100% (6/6), done.", "remote: Total 118 (delta 0), reused 0 (delta 0), pack-reused 112", "Receiving objects: 100% (118/118), 753.91 KiB | 431 KiB/s, done.", and "Resolving deltas: 100% (45/45), done.". The prompt returns to `(venv)Michaels-MacBook-Pro-3:galvanize michaeljancsy$` with a cursor.

```
(venv)Michaels-MacBook-Pro-3:galvanize michaeljancsy$ git clone https://github.c
om/michaeljancsy/assessment-day1.git
Cloning into 'assessment-day1'...
Username:
Password:
remote: Counting objects: 118, done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 118 (delta 0), reused 0 (delta 0), pack-reused 112
Receiving objects: 100% (118/118), 753.91 KiB | 431 KiB/s, done.
Resolving deltas: 100% (45/45), done.
(venv)Michaels-MacBook-Pro-3:galvanize michaeljancsy$
```

Run Tests in Assessment Directory

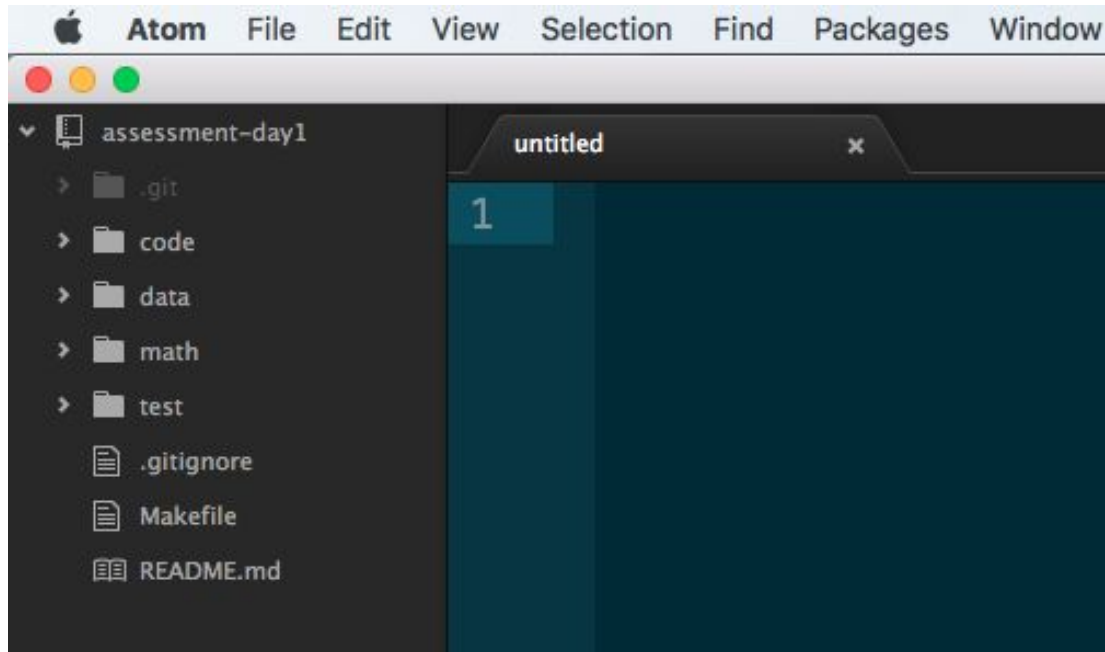
Run: `make test`

If the tests don't run, flag down an instructor or DSR.

A terminal window titled "1. bash" showing the execution of "make test". The output shows several test failures indicated by "F" characters and two "FutureWarning" messages. The final result is "FAIL: test.tests.test_count_characters".

```
(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy$ make test
nosetests -s test/tests.pyc
FFFFF/Users/michaeljancsy/galvanize/assessment-day1/test/tests.py:52: FutureWarn
ing: comparison to `None` will result in an elementwise object comparison in the
future.
    n.assert_true(np.all(answer == result))
FFF/Users/michaeljancsy/galvanize/assessment-day1/test/tests.py:87: FutureWarnin
g: comparison to `None` will result in an elementwise object comparison in the f
uture.
    n.assert_true(np.all(result1 == answer1))
FFFF
=====
FAIL: test.tests.test_count_characters
```

Open Assessment Folder in Atom



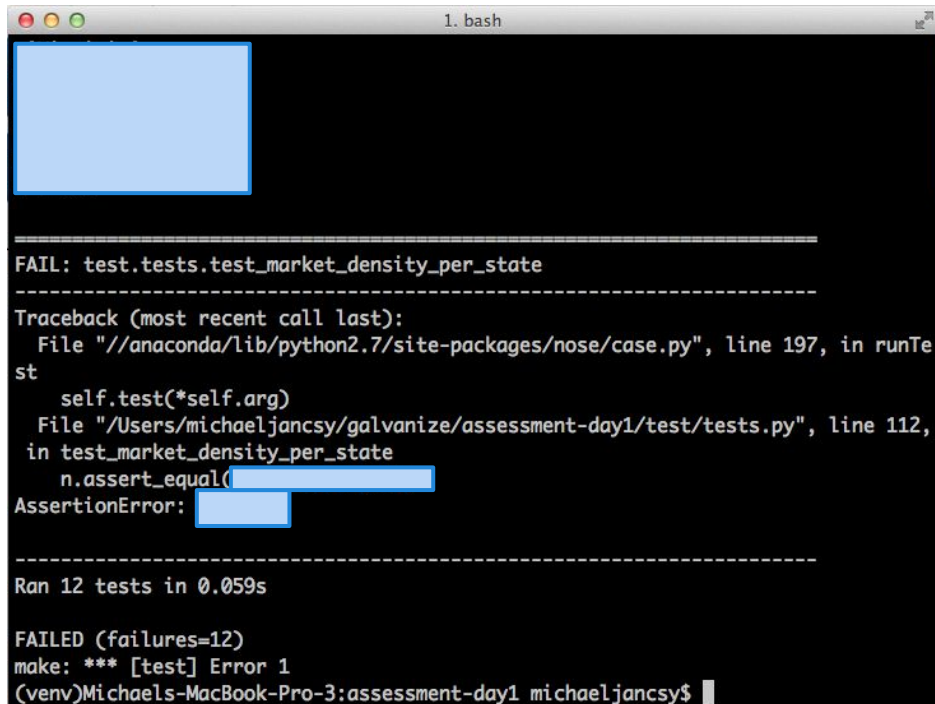
Fill in Your Answers in Atom

assessment.py and math_assessment.txt

Note: the assessment has **two (2)** sections!

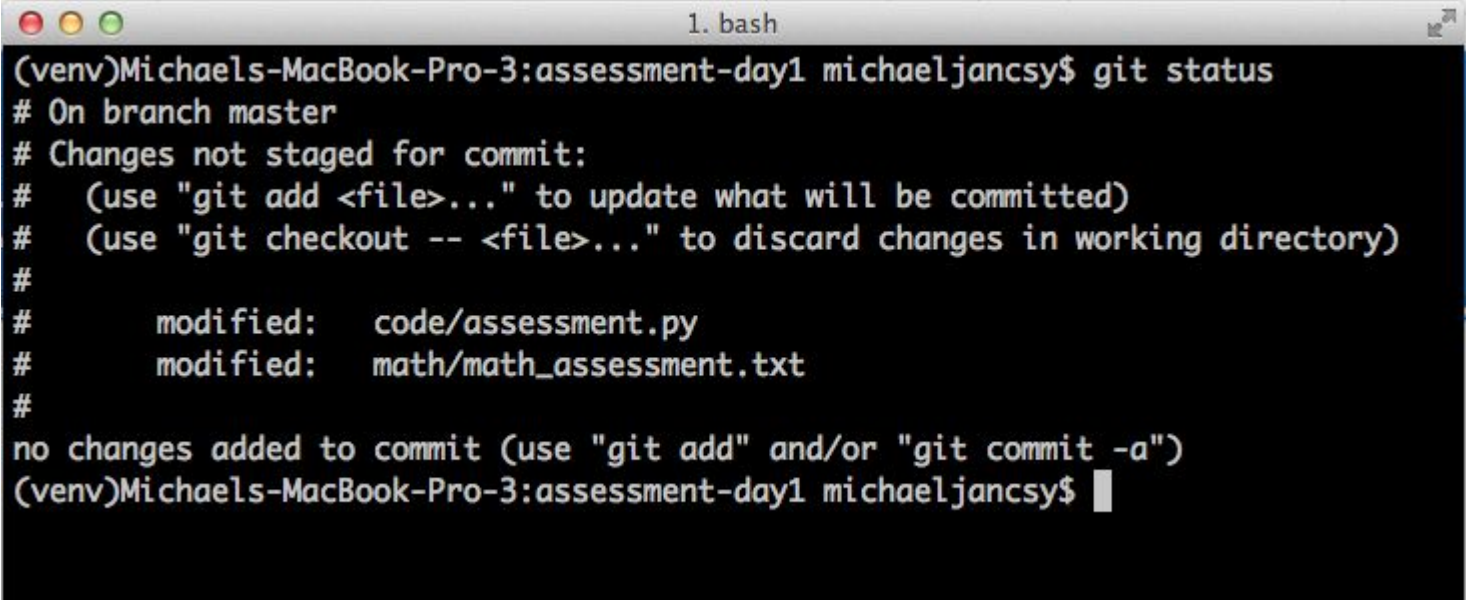
Test Your Code

make test

A terminal window titled '1. bash' with a dark background. The window contains the output of a test run. At the top, there is a large blue rectangular redaction box. Below it, the text 'FAIL: test.tests.test_market_density_per_state' is displayed, followed by a dashed line. Then, a 'Traceback (most recent call last):' section shows the error path: File "/anaconda/lib/python2.7/site-packages/nose/case.py", line 197, in runTest; self.test(*self.arg); File "/Users/michaeljancsy/galvanize/assessment-day1/test/tests.py", line 112, in test_market_density_per_state; n.assert_equal(). The last line of the traceback is redacted with a blue box. Below the traceback, 'AssertionError:' is followed by another blue redaction box. After another dashed line, it says 'Ran 12 tests in 0.059s'. The final output is 'FAILED (failures=12)', 'make: *** [test] Error 1', and the shell prompt '(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy\$'.

Check that your files have changed

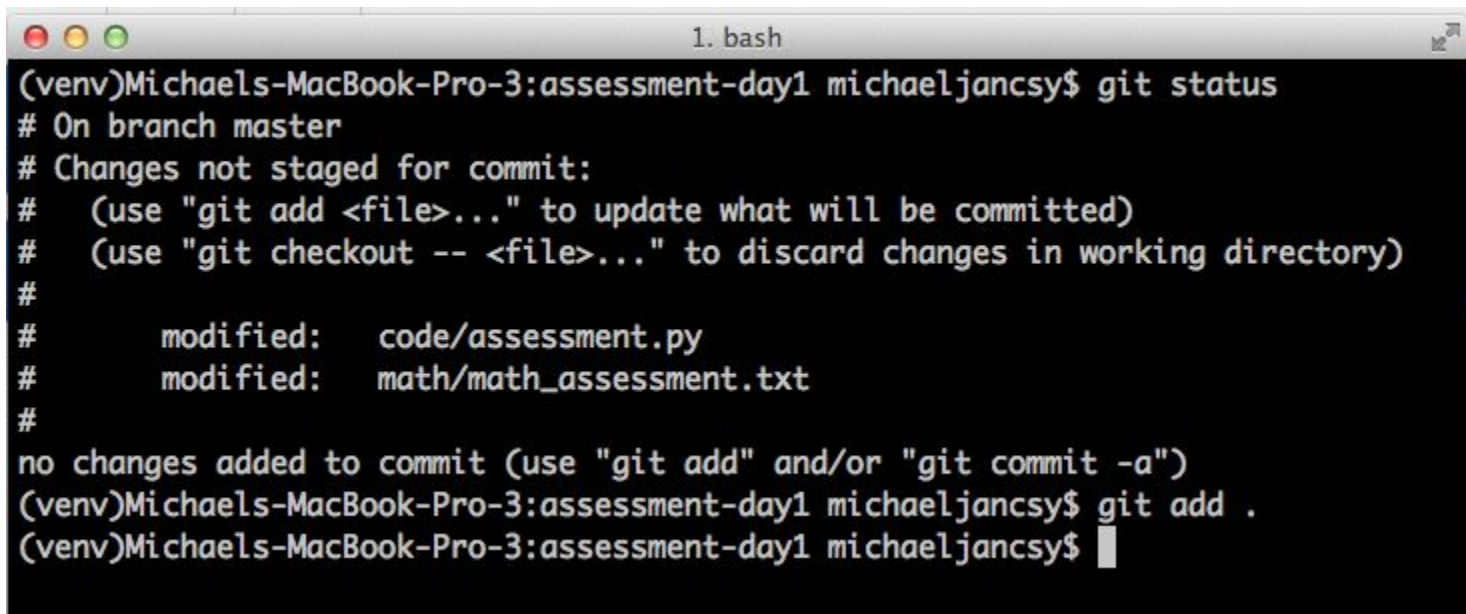
git status

A screenshot of a macOS terminal window titled "1. bash". The window shows the output of the "git status" command. The output indicates that the user is on the "master" branch and that there are changes not staged for commit. Specifically, it lists "code/assessment.py" and "math/math_assessment.txt" as modified files. It also provides instructions on how to stage changes using "git add" and how to discard changes using "git checkout --". The prompt at the bottom shows the user is in a virtual environment named "(venv)" and is in the directory "Michaels-MacBook-Pro-3:assessment-day1" as "michaeljancsy".

```
1. bash
(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy$ git status
# On branch master
# Changes not staged for commit:
#   (use "git add <file>..." to update what will be committed)
#   (use "git checkout -- <file>..." to discard changes in working directory)
#
#       modified:   code/assessment.py
#       modified:   math/math_assessment.txt
#
no changes added to commit (use "git add" and/or "git commit -a")
(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy$
```

Add Your Changes

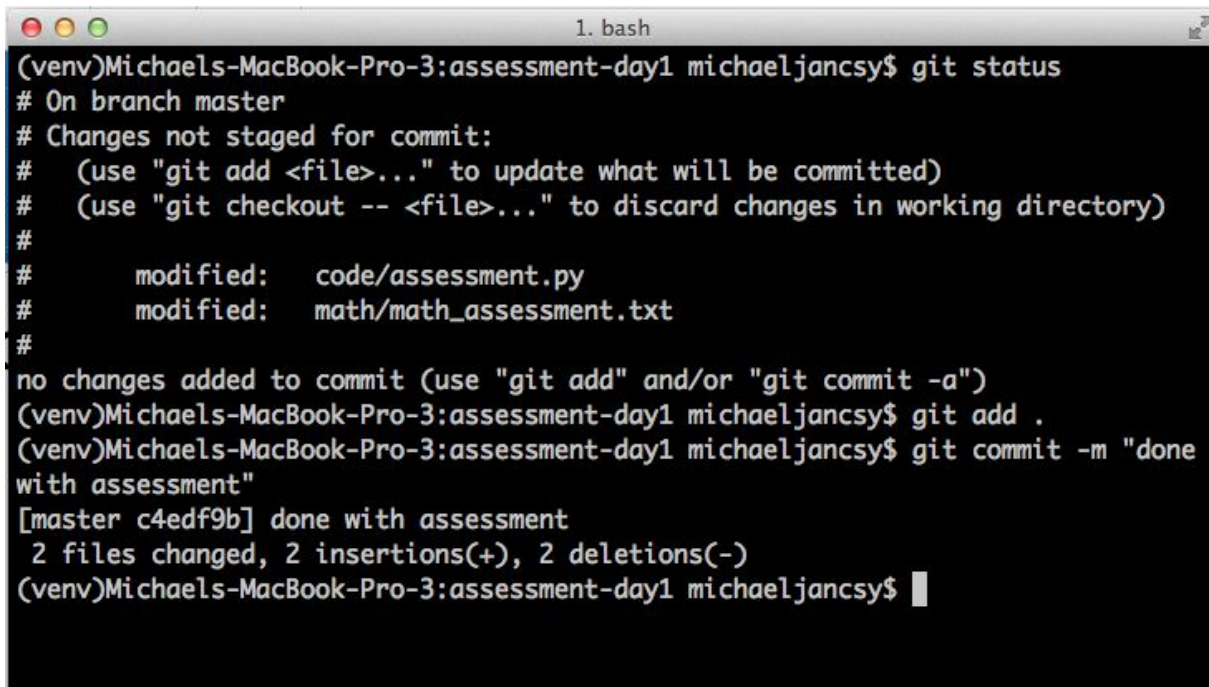
`git add .`

A terminal window titled "1. bash" with standard macOS window controls (red, yellow, green buttons) in the top-left corner. The terminal text shows a user in a virtual environment at the path "(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy\$". They run "git status", which outputs: "# On branch master", "# Changes not staged for commit:", "# (use \"git add <file>...\" to update what will be committed)", "# (use \"git checkout -- <file>...\" to discard changes in working directory)", "#", "# modified: code/assessment.py", "# modified: math/math_assessment.txt", "#", "no changes added to commit (use \"git add\" and/or \"git commit -a\")". Then they run "git add .", and the prompt returns to "(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy\$".

```
1. bash
(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy$ git status
# On branch master
# Changes not staged for commit:
#   (use "git add <file>..." to update what will be committed)
#   (use "git checkout -- <file>..." to discard changes in working directory)
#
#       modified:   code/assessment.py
#       modified:   math/math_assessment.txt
#
no changes added to commit (use "git add" and/or "git commit -a")
(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy$ git add .
(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy$
```

Commit Your Changes

```
git commit -m "done with assessment"
```

A terminal window titled "1. bash" showing the execution of git commands. The user is in a virtual environment named "venv" on a MacBook Pro. The terminal shows the output of "git status", which indicates that two files, "code/assessment.py" and "math/math_assessment.txt", have been modified. The user then runs "git add ." to stage these changes, followed by "git commit -m 'done with assessment'" to commit them. The final output shows the commit message "[master c4edf9b] done with assessment" and the statistics "2 files changed, 2 insertions(+), 2 deletions(-)".

```
(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy$ git status
# On branch master
# Changes not staged for commit:
#   (use "git add <file>..." to update what will be committed)
#   (use "git checkout -- <file>..." to discard changes in working directory)
#
#       modified:   code/assessment.py
#       modified:   math/math_assessment.txt
#
no changes added to commit (use "git add" and/or "git commit -a")
(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy$ git add .
(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy$ git commit -m "done
with assessment"
[master c4edf9b] done with assessment
 2 files changed, 2 insertions(+), 2 deletions(-)
(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy$
```

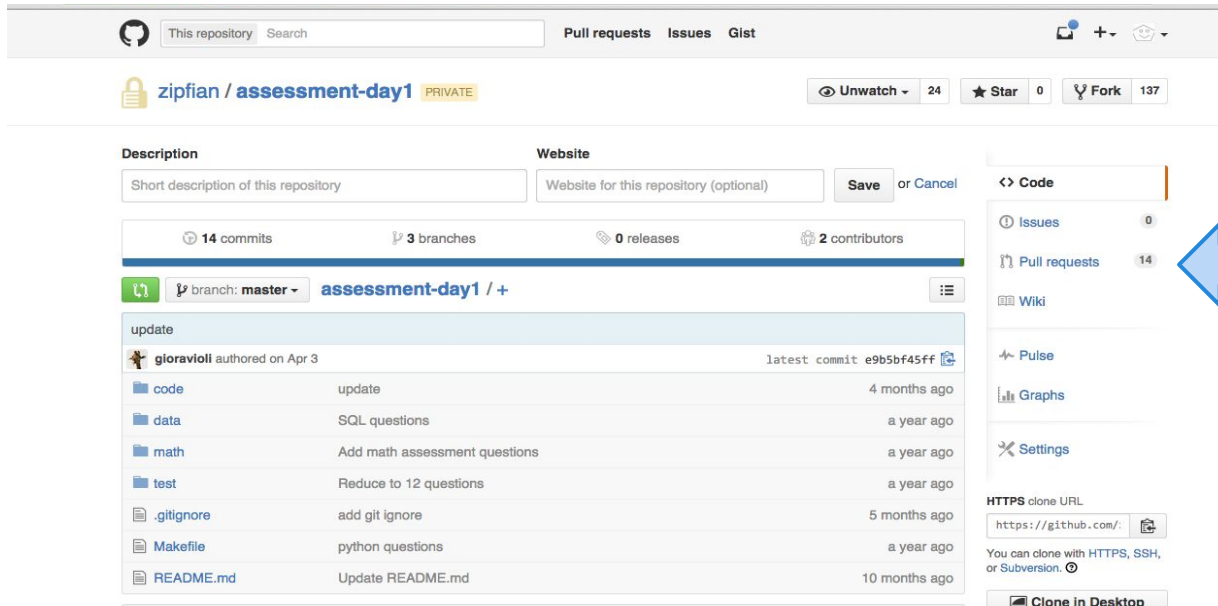
Push Your Changes to Your Account

`git push`

```
(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy$ git push
Username:
Password:
Counting objects: 11, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 541 bytes, done.
Total 6 (delta 4), reused 0 (delta 0)
To https://github.com/michaeljancsy/assessment-day1.git
   3b70bf6..c4edf9b  master -> master
(venv)Michaels-MacBook-Pro-3:assessment-day1 michaeljancsy$
```

Create a Pull Request

- Pull requests are how assessments and assignments are submitted
- To begin, go to `github.com/(your username)/assessment-day1`
- Click on “Pull requests”



The screenshot shows the GitHub interface for the repository 'zipfian / assessment-day1'. The 'Pull requests' tab is selected in the top navigation bar. A blue arrow points to the 'Pull requests' link in the right-hand sidebar, which shows 14 pull requests. The main content area displays the repository's description, website, and a list of files and folders with their commit history.

Repository: zipfian / **assessment-day1** PRIVATE

Unwatch 24 Star 0 Fork 137

Description: Short description of this repository

Website: Website for this repository (optional)

Save or Cancel

14 commits 3 branches 0 releases 2 contributors

branch: master assessment-day1 / +

update

gioravioli authored on Apr 3 latest commit e9b5bf45ff

File	Commit Message	Time Ago
code	update	4 months ago
data	SQL questions	a year ago
math	Add math assessment questions	a year ago
test	Reduce to 12 questions	a year ago
.gitignore	add git ignore	5 months ago
Makefile	python questions	a year ago
README.md	Update README.md	10 months ago

Issues 0

Pull requests 14

Wiki

Pulse

Graphs

Settings

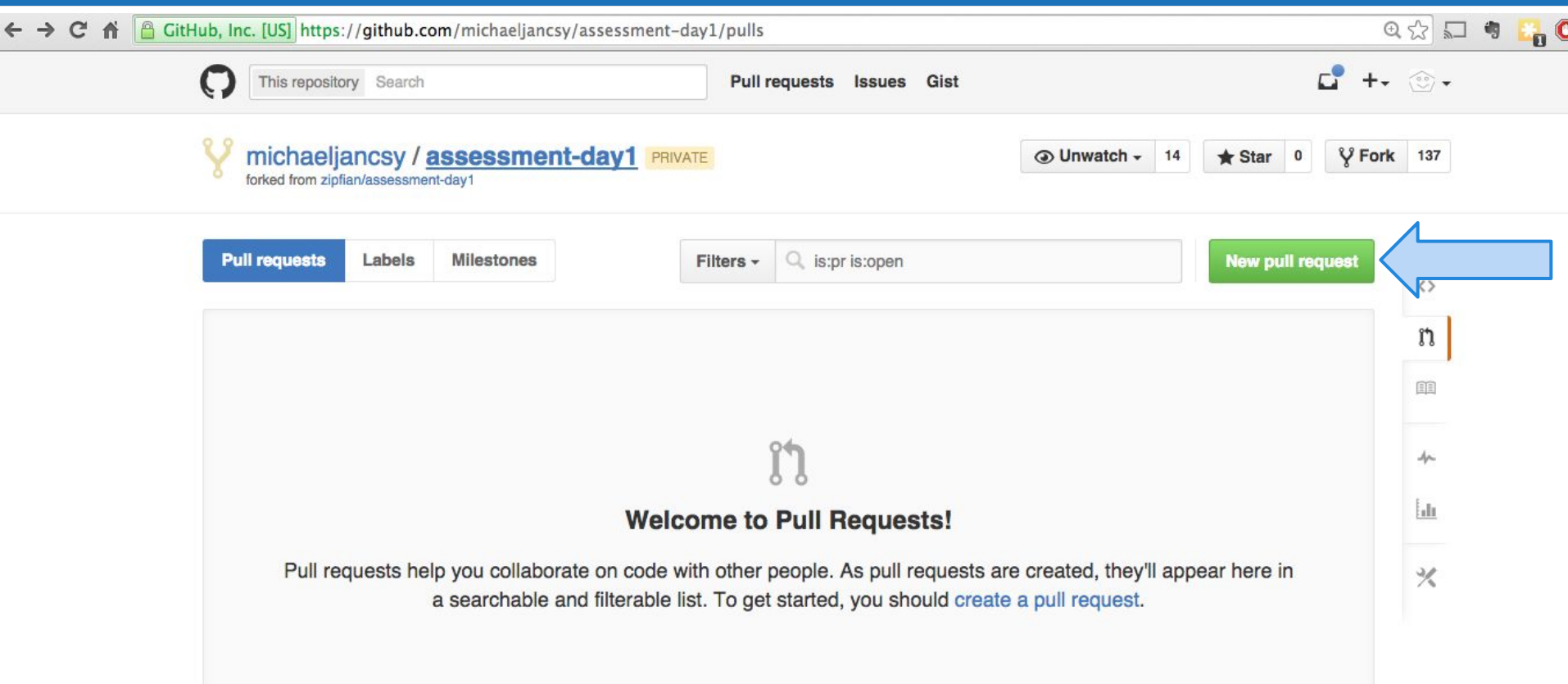
HTTPS clone URL

https://github.com/

You can clone with HTTPS, SSH, or Subversion.

Clone in Desktop

Create a Pull Request



The screenshot shows the GitHub web interface for a repository named 'assessment-day1' by user 'michaeljancsy'. The page is titled 'Create a Pull Request' in a large blue header. Below the header, the browser address bar shows the URL 'https://github.com/michaeljancsy/assessment-day1/pulls'. The repository name 'michaeljancsy / assessment-day1' is displayed, along with a 'PRIVATE' label and a note 'forked from zipfian/assessment-day1'. Navigation tabs for 'Pull requests', 'Issues', and 'Gist' are visible. On the right, there are buttons for 'Unwatch' (14), 'Star' (0), and 'Fork' (137). Below these, there are tabs for 'Pull requests', 'Labels', and 'Milestones'. A search bar with the filter 'is:pr is:open' is present. A prominent green button labeled 'New pull request' is highlighted with a large blue arrow pointing to it from the right. Below the button, a large light gray box contains a pull request icon and the text 'Welcome to Pull Requests!'. The text explains that pull requests help collaborate on code and that they will appear in a searchable and filterable list. It concludes with the instruction 'To get started, you should create a pull request.'.

GitHub, Inc. [US] <https://github.com/michaeljancsy/assessment-day1/pulls>

This repository Search Pull requests Issues Gist

michaeljancsy / [assessment-day1](#) PRIVATE
forked from zipfian/assessment-day1

Unwatch 14 Star 0 Fork 137

Pull requests Labels Milestones Filters is:pr is:open

New pull request

Welcome to Pull Requests!

Pull requests help you collaborate on code with other people. As pull requests are created, they'll appear here in a searchable and filterable list. To get started, you should [create a pull request](#).

Create a Pull Request

Select your fork as the “head fork”

The screenshot shows a GitHub web interface for a pull request. At the top, the browser address bar shows the URL: `https://github.com/zipfian/assessment-day1/compare/master...michaeljancsy:master`. Below the repository name, there are buttons for 'Unwatch', 'Star' (0), and 'Fork' (137). The main heading is 'Comparing changes', with a subtext: 'Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).' Below this, there are two dropdown menus: 'base fork: zipfian/assessment-day1' and 'base: master'. To the right, there is a 'head fork: michaeljancsy/assessment...' dropdown, which is highlighted by a large blue arrow. Next to it is a 'compare: master' dropdown. A green checkmark indicates 'Able to merge. These branches can be automatically merged.' Below this, there is a section for the pull request titled 'done with assessment #130' with a 'View pull request' button. At the bottom, there is a yellow box with a 'Create new pull request' button and the text 'Create another pull request to discuss and review the changes again.' The bottom of the page shows commit history for 'Jul 17, 2015' with two commits by 'michaeljancsy' titled 'done with assessment'.

base fork: `zipfian/assessment-day1` base: `master` ... head fork: `michaeljancsy/assessment...` compare: `master`

✓ Able to merge. These branches can be automatically merged.

done with assessment #130
No description available [View pull request](#)

[Create new pull request](#) Create another pull request to discuss and review the changes again.

2 commits 2 files changed 0 commit comments 1 contributor

Commits on Jul 17, 2015

	michaeljancsy	done with assessment	3b70bf6
	michaeljancsy	done with assessment	c4edf9b

Create a Pull Request

Scroll down to see the changed files



The screenshot shows a GitHub pull request interface. The browser address bar displays the URL: <https://github.com/zipfian/assessment-day1/compare/master...michaeljancsy:master>. Below the address bar, a status bar indicates "Showing 2 changed files with 2 additions and 1 deletion." and tabs for "Unified" and "Split" views.

The first file, `code/assessment.py`, is shown with a diff view. The changes are as follows:

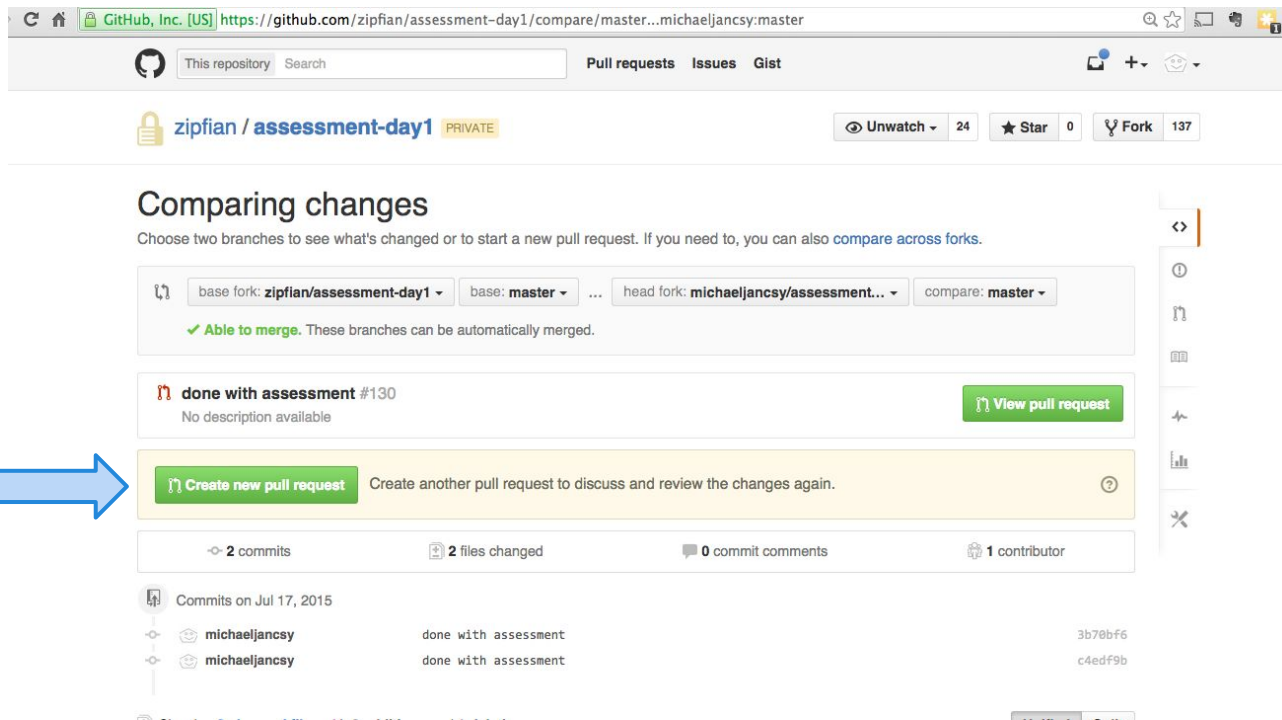
Line	Original	Modified
13	13	Characters which would have a count of 0 should not need to be included in
14	14	your dictionary.
15	15	'''
16	- pass	+ return " THIS IS AN ANSWER "
17	17	
18	18	
19	19	def invert_dictionary(d):

The second file, `math/math_assessment.txt`, is also shown with a diff view. The changes are as follows:

Line	Original	Modified
5	5	
6	6	
7	7	1. Partial derivative of y with respect to x
8	+ [THIS IS AN ANSWER]	
9	9	
10	10	2. Xy

Create a Pull Request

Click “Create a new pull request”



The screenshot shows the GitHub interface for a pull request. At the top, the browser address bar displays the URL: `https://github.com/zipfian/assessment-day1/compare/master...michaeljancsy:master`. Below the address bar, the repository name `zipfian / assessment-day1` is shown, along with a lock icon indicating it is a private repository. To the right of the repository name are buttons for `Unwatch` (with a dropdown arrow), `Star` (with a count of 0), and `Fork` (with a count of 137).

The main heading is `Comparing changes`, followed by a subtext: `Choose two branches to see what's changed or to start a new pull request. If you need to, you can also compare across forks.`

Below this, there are two dropdown menus for selecting branches: `base fork: zipfian/assessment-day1` and `base: master`. To the right of these is a `head fork: michaeljancsy/assessment...` dropdown and a `compare: master` dropdown. A green checkmark and the text `✓ Able to merge. These branches can be automatically merged.` are displayed below the branch selectors.

Below the merge status, there is a section for the pull request details. It shows a red octocat icon, the title `done with assessment #130`, and the text `No description available`. To the right of this section is a green button labeled `View pull request`.

A large blue arrow points to a yellow box containing a green button labeled `Create new pull request` and the text `Create another pull request to discuss and review the changes again.` To the right of this text is a question mark icon.

Below the yellow box, there is a summary bar showing `2 commits`, `2 files changed`, `0 commit comments`, and `1 contributor`.

At the bottom, there is a section for `Commits on Jul 17, 2015`. It lists two commits by `michaeljancsy`, both titled `done with assessment`. The commit hashes `3b70bf6` and `c4edf9b` are shown to the right of the commit titles.

Create a Pull Request

Type your full name as the title

zipfian / **assessment-day1** PRIVATE

Unwatch 24

Star 0

Fork 137

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).



base fork: **zipfian/assessment-day1**

base: **master**

...

head fork: **michaeljancsy/assessment...**

compare: **master**

✓ **Able to merge.** These branches can be automatically merged.



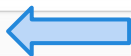
done with assessment #130

No description available

View pull request



Title



Write

Preview

Markdown supported

Edit in fullscreen

Leave a comment

Labels

None yet

Milestone

No milestone

Assignee

No one—assign yourself

Create a Pull Request

Click “Create pull request”

