STATS 202A: STATISTICS PROGRAMMING
HW8: GITHUB COMMANDS
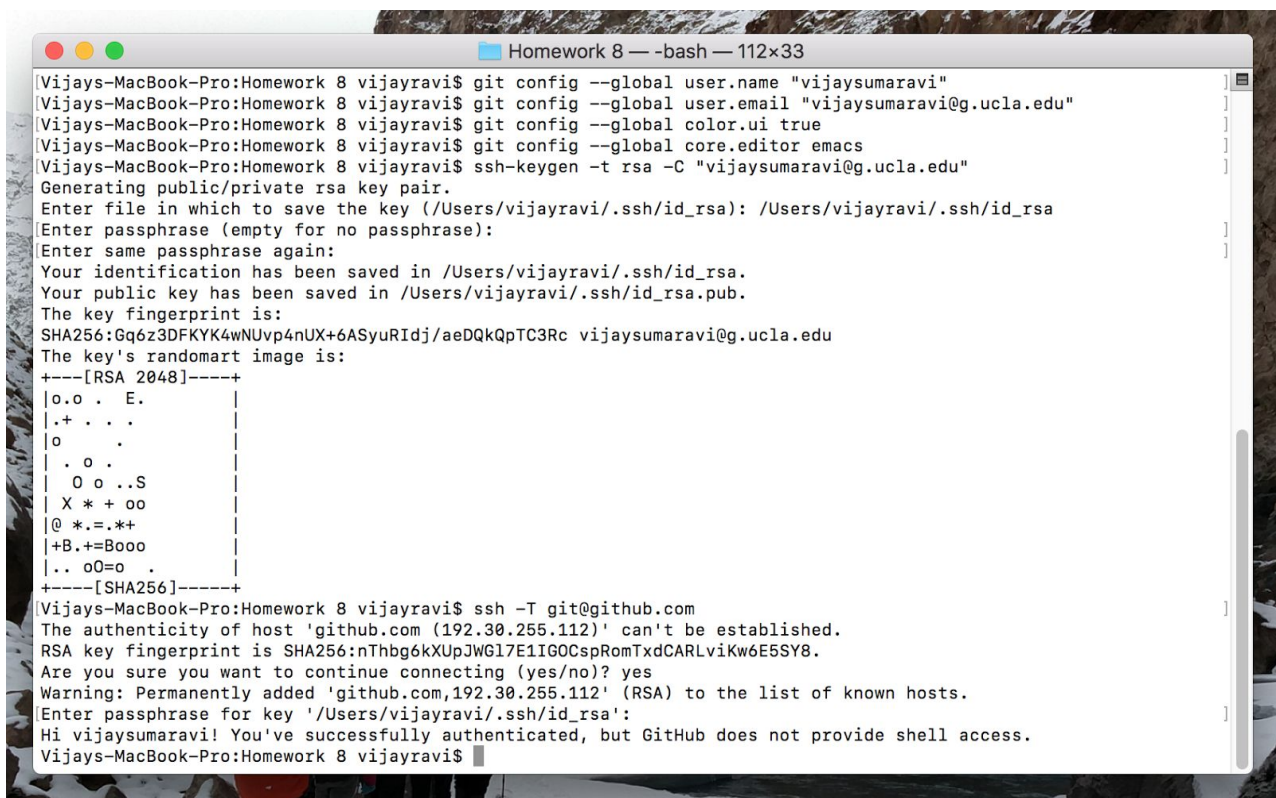
NAME: **VIJAY RAVI**   UID:
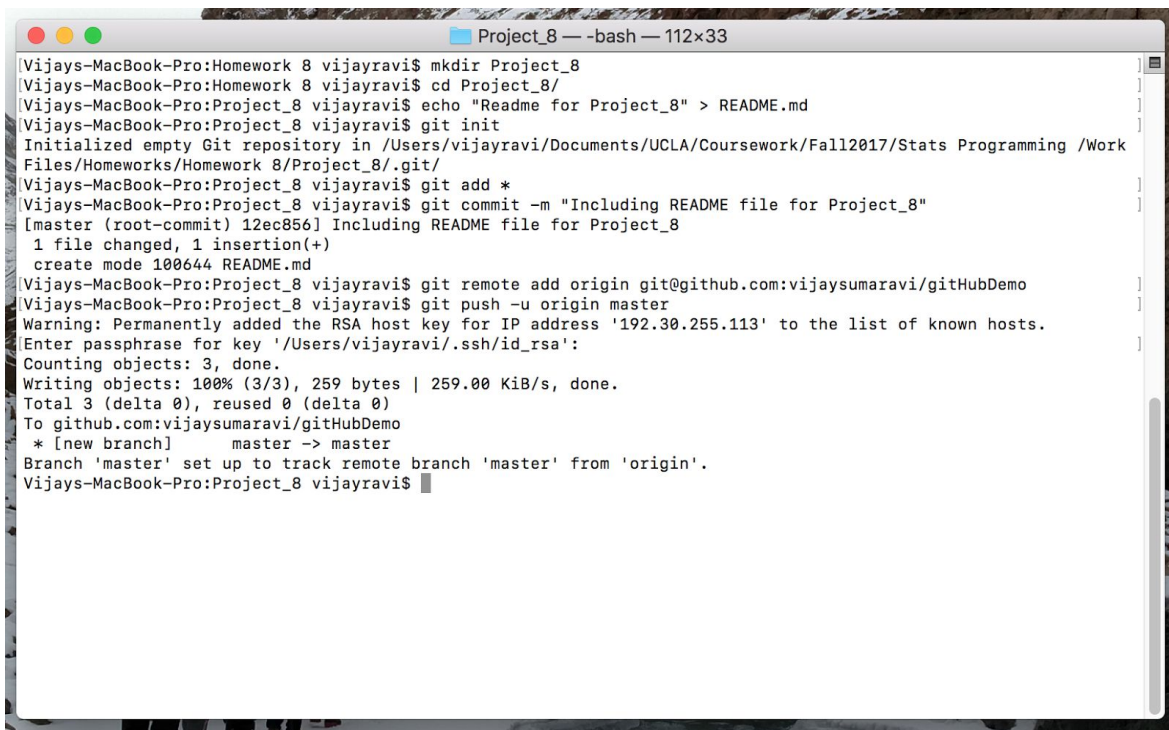
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STEP 1: Create an account on https://github.com/. Account created: vijaysumaravi

STEP 2: Use the following commands as in the screenshot to set up GITHUB on your system.

STEP 3: Creating a new Repository from scratch

- Create a new repository in https://github.com/
- I have named the repo as "gitHubDemo"
- Follow the following steps in the screenshot to setup the new project, "Project_8" to the repository.
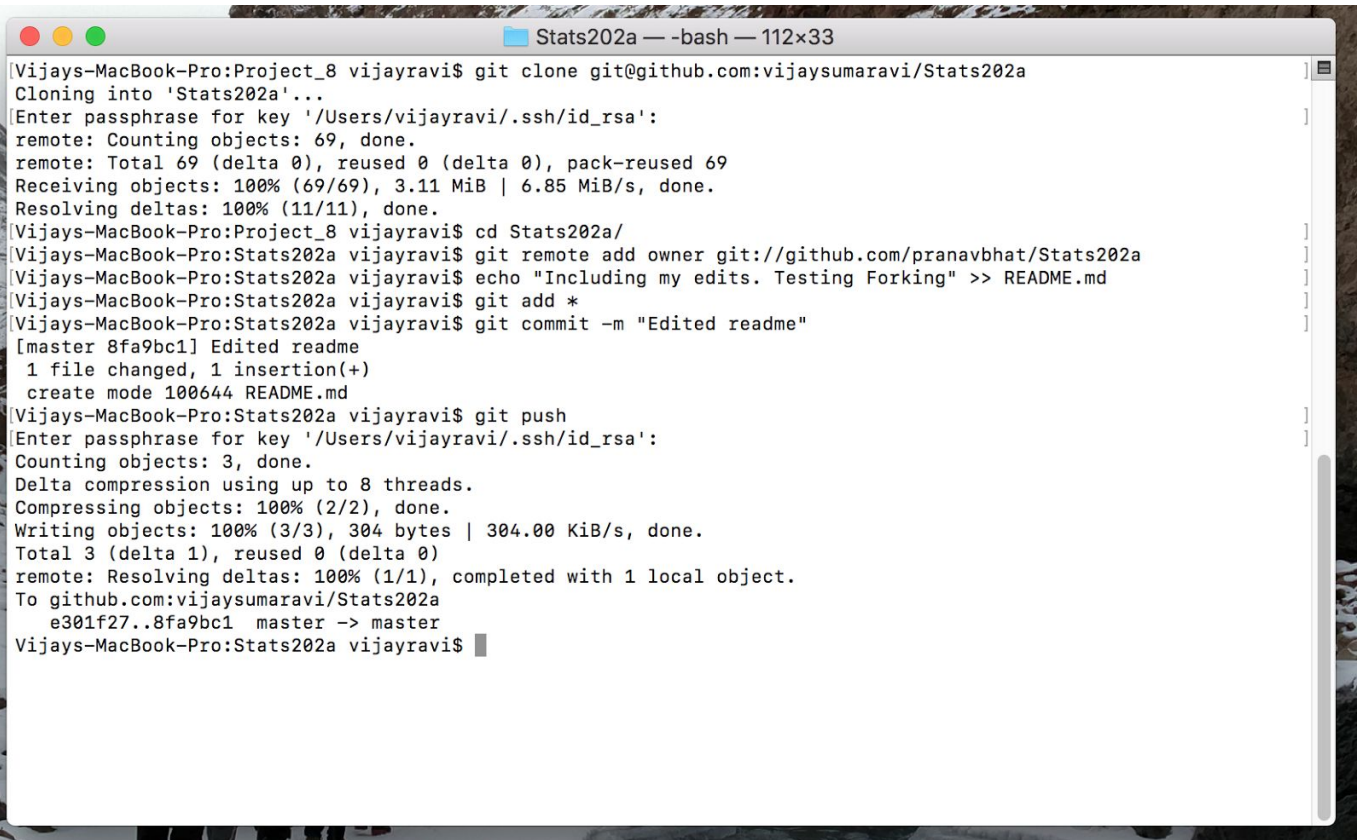


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[Vijays-MacBook-Pro:Homework 8 vijayravi$ mkdir Project_8
[Vijays-MacBook-Pro:Homework 8 vijayravi$ cd Project_8/
[Vijays-MacBook-Pro:Project_8 vijayravi$ echo "Readme for Project_8" > README.md
[Vijays-MacBook-Pro:Project_8 vijayravi$ git init
Initialized empty Git repository in /Users/vijayravi/Documents/UCLA/Coursework/Fall2017/Stats Programming /Work
Files/Homeworks/Homework 8/Project_8/.git/
[Vijays-MacBook-Pro:Project_8 vijayravi$ git add *
[Vijays-MacBook-Pro:Project_8 vijayravi$ git commit -m "Including README file for Project_8"
[master (root-commit) 12ec856] Including README file for Project_8
 1 file changed, 1 insertion(+)
  create mode 100644 README.md
[Vijays-MacBook-Pro:Project_8 vijayravi$ git remote add origin git@github.com:vijaysumaravi/gitHubDemo
[Vijays-MacBook-Pro:Project_8 vijayravi$ git push -u origin master
Warning: Permanently added the RSA host key for IP address '192.30.255.113' to the list of known hosts.
[Enter passphrase for key '/Users/vijayravi/.ssh/id_rsa':
Counting objects: 3, done.
Writing objects: 100% (3/3), 259 bytes | 259.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To github.com:vijaysumaravi/gitHubDemo
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
Vijays-MacBook-Pro:Project_8 vijayravi$
```

STEP 4: Continuing development and keeping the repository in sync with local development environment.

- Once a piece of developed code is tested and stable follow the below mentioned steps to push the changes to the repository.
- git add filename.extension
- git commit -m "Pushing new feature X"
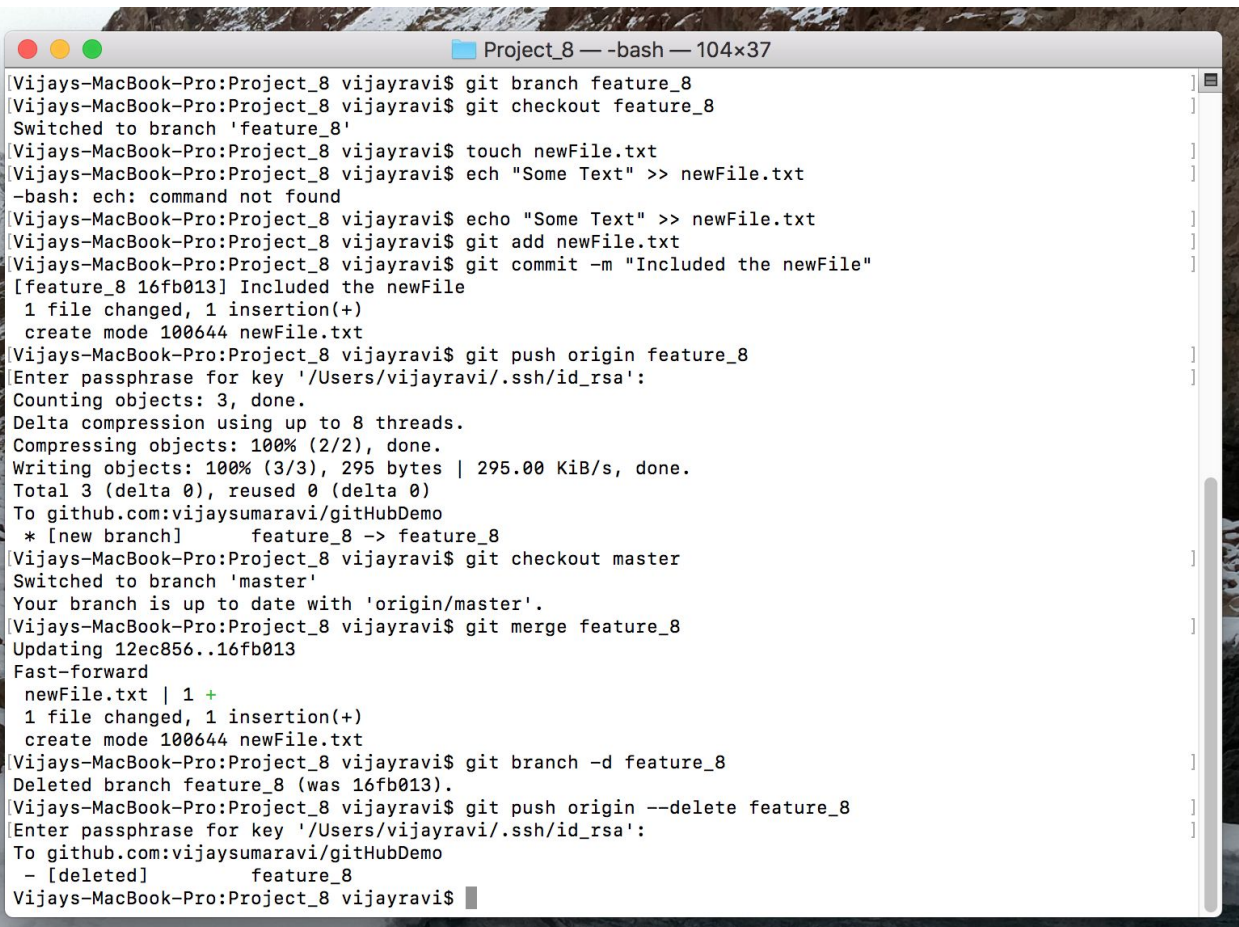- git push

STEP 5: Forking someone else's repository.

- Fork the repository on https://github.com
- Clone the repository to the local system and continue development, push changes.
- I have forked "Stats202a' from pranavbhat and changed the README.md file.

STEP 6: Branching

- Creating a new feature branch.
- Developing and Testing in the branch.
- Merging development in the new branch on to the master branch.
- Deleting the new feature branch.

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Project_8 — -bash — 104×37

[Vijays-MacBook-Pro:Project_8 vijayravi$ git branch feature_8
[Vijays-MacBook-Pro:Project_8 vijayravi$ git checkout feature_8
Switched to branch 'feature_8'
[Vijays-MacBook-Pro:Project_8 vijayravi$ touch newFile.txt
[Vijays-MacBook-Pro:Project_8 vijayravi$ ech "Some Text" >> newFile.txt
-bash: ech: command not found
[Vijays-MacBook-Pro:Project_8 vijayravi$ echo "Some Text" >> newFile.txt
[Vijays-MacBook-Pro:Project_8 vijayravi$ git add newFile.txt
[Vijays-MacBook-Pro:Project_8 vijayravi$ git commit -m "Included the newFile"
[feature_8 16fb013] Included the newFile
 1 file changed, 1 insertion(+)
 create mode 100644 newFile.txt
[Vijays-MacBook-Pro:Project_8 vijayravi$ git push origin feature_8
[Enter passphrase for key '/Users/vijayravi/.ssh/id_rsa':
Counting objects: 3, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 295 bytes | 295.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To github.com:vijaysumaravi/gitHubDemo
 * [new branch]      feature_8 -> feature_8
[Vijays-MacBook-Pro:Project_8 vijayravi$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
[Vijays-MacBook-Pro:Project_8 vijayravi$ git merge feature_8
Updating 12ec856..16fb013
Fast-forward
 newFile.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 newFile.txt
[Vijays-MacBook-Pro:Project_8 vijayravi$ git branch -d feature_8
Deleted branch feature_8 (was 16fb013).
[Vijays-MacBook-Pro:Project_8 vijayravi$ git push origin --delete feature_8
[Enter passphrase for key '/Users/vijayravi/.ssh/id_rsa':
To github.com:vijaysumaravi/gitHubDemo
 - [deleted]        feature_8
Vijays-MacBook-Pro:Project_8 vijayravi$
```