

Lab 4 - Done Quick

4. Log into ieng6

```
martinlu@Martins-MacBook-Pro-2 lab7 % ssh cs15lwi23arw@ieng6.ucsd.edu
Enter passphrase for key '/Users/martinlu/.ssh/id_rsa':
Last login: Thu Feb 23 13:13:33 2023 from 100.81.38.46
===== NOTICE =====
Authorized use of this system is limited to password-authenticated
usernames which are issued to individuals and are for the sole use of
```

*entered command *entered password

Logs into ieng machine via ssh

5. Clone your fork of the repository from your Github account

```
[cs15lwi23arw@ieng6-201]:~:195$ git clone https://github.com/Momopey/lab7
Cloning into 'lab7'...
remote: Enumerating objects: 35, done.
remote: Total 35 (delta 0), reused 0 (delta 0), pack-reused 35
Receiving objects: 100% (35/35), 372.19 KiB | 1.42 MiB/s, done.
Resolving deltas: 100% (12/12), done.
```

<control + R> git clone <enter>

Searches for git clone command, runs it to download

6. Run the tests, demonstrating that they fail

```
[cs15lwi23arw@ieng6-201]:~:199$ cd lab7
```

*entered command

Enter lab7 directory

```
[cs15lwi23arw@ieng6-201]:lab7:201$ javac -cp lib/hamcrest-core-1.3.jar:lib/junit-4.13.2.jar *.java; java -cp .:lib/hamcrest-core-1.3.jar:lib/junit-4.13.2.jar org.junit.runner.JUnit4 ListExamplesTests
JUnit version 4.13.2
..E
Time: 0.531
There was 1 failure:
1) testMerge2(ListExamplesTests)
```

<control + R> javac <enter>

Search for command in history which compiles and runs the tests.

7. Edit the code file to fix the failing test

```
[cs15lwi23arw@ieng6-201]:lab7:201$ vim -c ':43s/index1/index2/ | write | quit ' ListExamples.java
```

<control + R> vim <enter>

Search for and run command which runs vim command to fix the errant line via find and replace.

8. Run the tests, demonstrating that they now succeed

```
[cs15lwi23arw@ieng6-201]:lab7:202$ javac -cp lib/hamcrest-core-1.3.jar:lib/junit-4.13.2.jar *.java; java -cp .:lib/hamcrest-core-1.3.jar:lib/junit-4.13.2.jar org.junit.runner.JUnitCore ListExamplesTests
JUnit version 4.13.2
..
Time: 0.014
OK (2 tests)
```

<up>*2 <enter>

Rerun the javac command, by navigating history.

9. Commit and push the resulting change to your Github account

```
[cs15lwi23arw@ieng6-201]:lab7:203$ git add ListExamples.java;git commit -m "fixed";git push
[main 0e1faf5] fixed
Committer: Martin Y Lu <cs15lwi23arw@ieng6-201.ucsd.edu>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit
```

<control + R> git <enter>

Search for and run command which adds, commits and pushes to git.