

cse-15L-report

CSE 15L Lab Report 4

Step 4

I typed in `ssh anw031@ieng6-201.ucsd.edu` into the terminal. Then I pressed `enter`. Then I typed in `cs151wi24`. Then I pressed `enter`.

```
$ ssh anw031@ieng6-201.ucsd.edu
Last login: Wed Feb 21 15:41:02 2024 from 100.81.36.123
quota: Cannot resolve mountpoint path /home/linux/dsmlp/.snapshot/daily.2024-01-12_001
0: Stale file handle
quota: Cannot resolve mountpoint path /home/linux/ieng6/cs120wi24/cs120wi24dx/.snapsho
t/hourly.2024-01-29_1201: Stale file handle
quota: Cannot resolve mountpoint path /home/linux/dsmlp/.snapshot/daily.2024-02-04_0010: Stale file handle
quota: Cannot resolve mountpoint path /home/linux/dsmlp/.snapshot/daily.2024-02-05_0010: Stale file handle
Hello anw031, you are currently logged into ieng6-201.ucsd.edu
```

You are using 0% CPU on this system

Cluster Status

Hostname	Time	#Users	Load	Averages
ieng6-201	15:50:01	21	0.06,	0.22, 0.41
ieng6-202	15:50:01	14	0.01,	0.06, 0.13
ieng6-203	15:50:01	6	1.02,	1.01, 0.70

To begin work for one of your courses [cs15lwi24], type its name at the command prompt. (For example, "cs15lwi24", without the quotes).

```
[anw031@ieng6-201]:~:245$ cs15wi24
bash: cs15wi24: command not found...
[anw031@ieng6-201]:~:246$ cs15wl24
bash: cs15wl24: command not found...
[anw031@ieng6-201]:~:247$ cs15i24
bash: cs15i24: command not found...
[anw031@ieng6-201]:~:248$ cs15wi24
bash: cs15wi24: command not found...
[anw031@ieng6-201]:~:249$ cs15lwi24
Wed Feb 21, 2024 3:53pm - Prepping cs15lwi24
[anw031@ieng6-201]:anw031:250$ █
```

Step 5

I typed in `git clone` and then pasted my SSH URL which is `git@github.com:annwon603/lab7.git`. Then I pressed `enter`

```
[anw031@ieng6-201]:anw031:258$ git clone git@github.com:annwon603/lab7.git
Cloning into 'lab7'...
remote: Enumerating objects: 58, done.
remote: Total 58 (delta 0), reused 0 (delta 0), pack-reused 58
Receiving objects: 100% (58/58), 376.39 KiB | 1.22 MiB/s, done.
Resolving deltas: 100% (21/21), done.
[anw031@ieng6-201]:anw031:259$
```

Step 6

I typed in `cd lab7` and pressed `enter`. Then I typed and `enter` `ls` to check what files are there. Then I typed and `enter` `bash` `test.sh`

```
[anw031@ieng6-201]:anw031:260$ cd lab7
[anw031@ieng6-201]:lab7:261$ ls
ListExamples.java  ListExamplesTests.java  lib  test.sh
[anw031@ieng6-201]:lab7:262$ bash test.sh
JUnit version 4.13.2
..E
Time: 0.537
There was 1 failure:
1) testMerge2(ListExamplesTests)
org.junit.runners.model.TestTimedOutException: test timed out after 500 milliseconds
    at java.lang.System.arraycopy(Native Method)
    at java.util.Arrays.copyOf(Arrays.java:3213)
    at java.util.Arrays.copyOf(Arrays.java:3181)
    at java.util.ArrayList.grow(ArrayList.java:267)
    at java.util.ArrayList.ensureExplicitCapacity(ArrayList.java:241)
    at java.util.ArrayList.ensureCapacityInternal(ArrayList.java:233)
    at java.util.ArrayList.add(ArrayList.java:464)
    at ListExamples.merge(ListExamples.java:42)
    at ListExamplesTests.testMerge2(ListExamplesTests.java:19)

FAILURES!!!
Tests run: 2,  Failures: 1

[anw031@ieng6-201]:lab7:263$
```

Step 7

I typed and enter `vim ListExamples.java`. Then I pressed the up arrow key four times, then right arrow key 11 times, and press `x`. I then pressed `i` and then pressed `2`. Then I pressed `esc`, then I typed and entered `:wq!`

```
static List<String> filter(List<String> list, StringChecker sc) {
    List<String> result = new ArrayList<>();
    for(String s: list) {
        if(sc.checkString(s)) {
            result.add(0, s);
        }
    }
    return result;
}

// Takes two sorted list of strings (so "a" appears before "b" and so on),
// and return a new list that has all the strings in both list in sorted order.
static List<String> merge(List<String> list1, List<String> list2) {
    List<String> result = new ArrayList<>();
    int index1 = 0, index2 = 0;
    while(index1 < list1.size() && index2 < list2.size()) {
        if(list1.get(index1).compareTo(list2.get(index2)) < 0) {
            result.add(list1.get(index1));
            index1 += 1;
        }
        else {
            result.add(list2.get(index2));
            index2 += 1;
        }
    }
    while(index1 < list1.size()) {
        result.add(list1.get(index1));
        index1 += 1;
    }
    while(index2 < list2.size()) {
        result.add(list2.get(index2));
        // change index1 below to index2 to fix test
        index2 += 1;
    }
    return result;
}
```

```
}  
:wq!
```

Step 8

I typed and enter `bash test.sh`

```
[anw031@ieng6-201]:lab7:263$ vim ListExamples.java  
[anw031@ieng6-201]:lab7:264$ vim ListExamples.java  
[anw031@ieng6-201]:lab7:264$ bash test.sh  
JUnit version 4.13.2  
..  
Time: 0.014  
  
OK (2 tests)  
  
[anw031@ieng6-201]:lab7:265$
```

Step 9

I typed and enter `git commit -a`, then I press `i` and then type in the message `Fix ListExamples`. I then pressed `ESC` and typed in `:wq!`

Fixed ListExamples

Please enter the commit message for your changes. Lines starting
with '#' will be ignored, and an empty message aborts the commit.

#

Committer: Annie Wong <anw031@ieng6-201.ucsd.edu>

#

On branch main

Your branch is up to date with 'origin/main'.

#

Changes to be committed:

modified: ListExamples.java

#

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

```
~  
~  
~
```

Then I typed and enter `git push`

```
[anw031@ieng6-201]:lab7:265$ git commit -a  
[main 8530224] Fixed ListExamples  
Committer: Annie Wong <anw031@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  
  
After doing this, you may fix the identity used for this commit with:  
  
    git commit --amend --reset-author  
  
1 file changed, 1 insertion(+), 1 deletion(-)  
[anw031@ieng6-201]:lab7:266$ git push  
Enumerating objects: 5, done.  
Counting objects: 100% (5/5), done.  
Delta compression using up to 8 threads  
Compressing objects: 100% (3/3), done.  
Writing objects: 100% (3/3), 300 bytes | 300.00 KiB/s, done.  
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0  
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.  
To github.com:annwon603/lab7.git  
   327ab1a..8530224  main -> main  
[anw031@ieng6-201]:lab7:267$
```