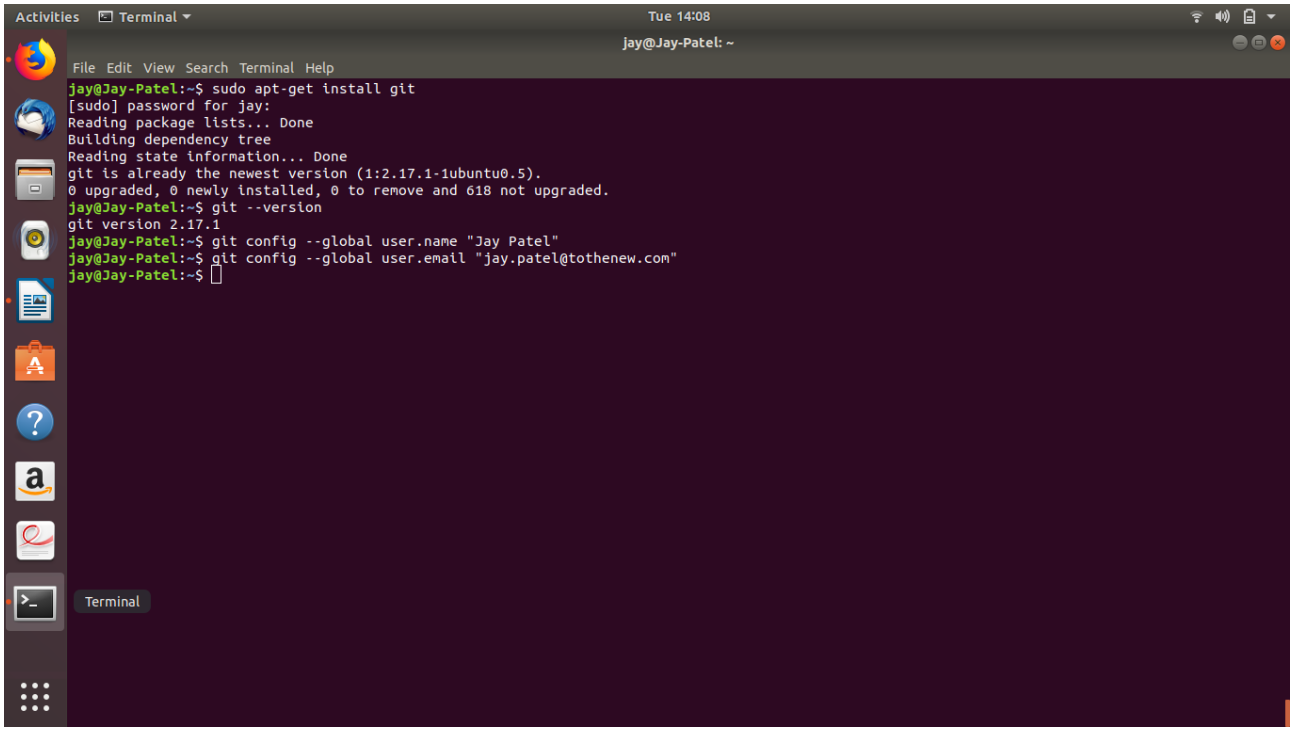
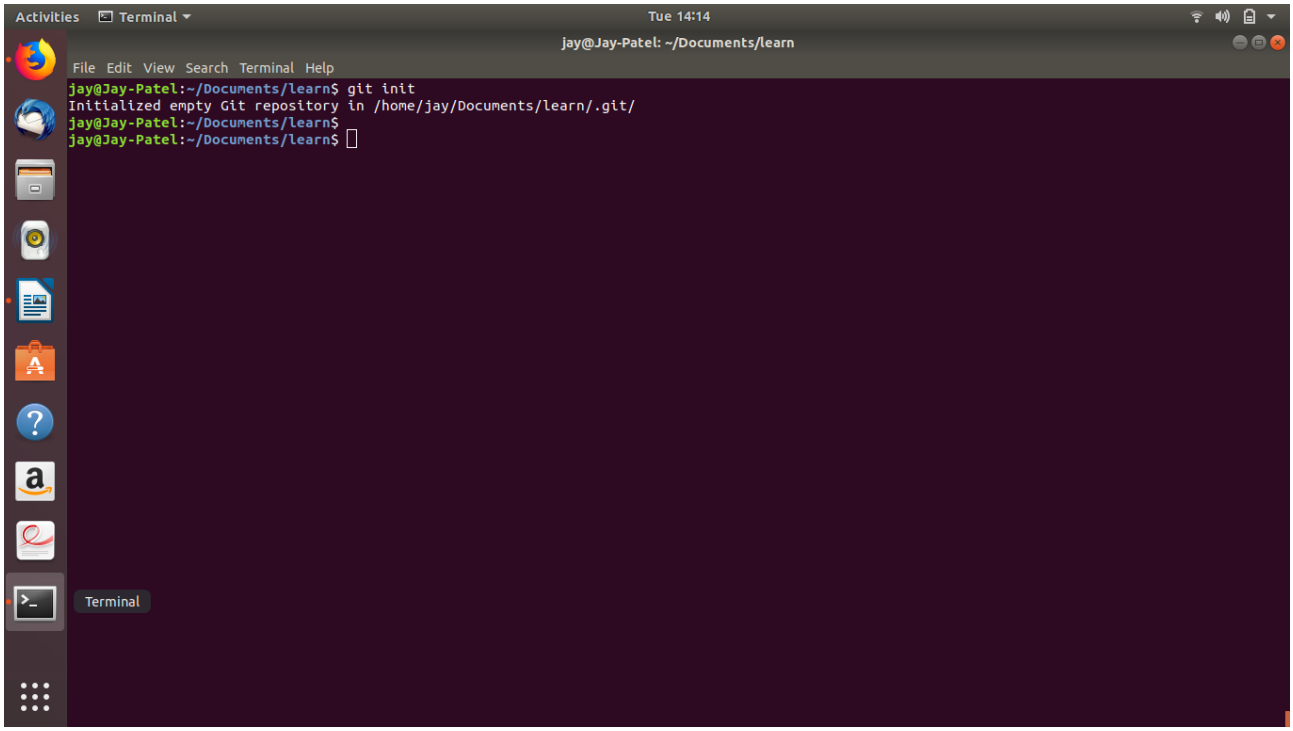
Session : Introduction to Version Control

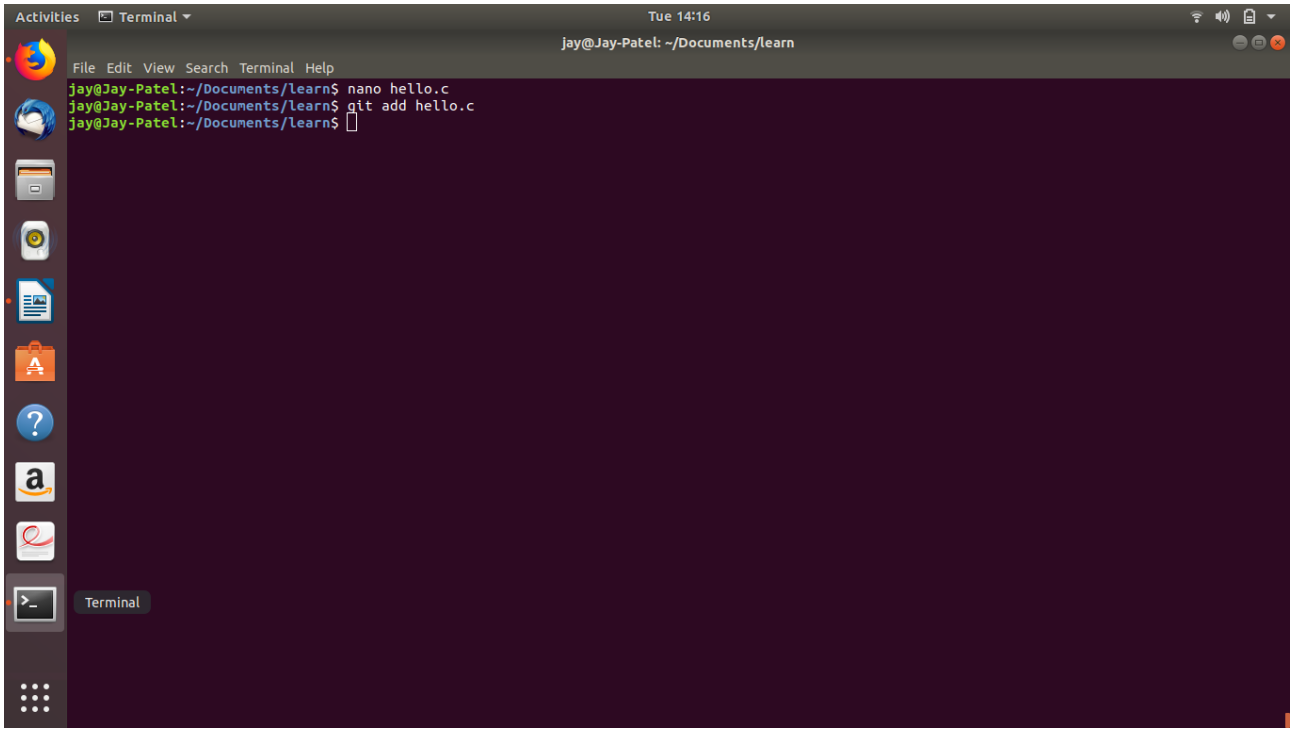
Exercise 1 : Git Setup https://confluence.atlassian.com/bitbucket/set-up-git-744723531.html



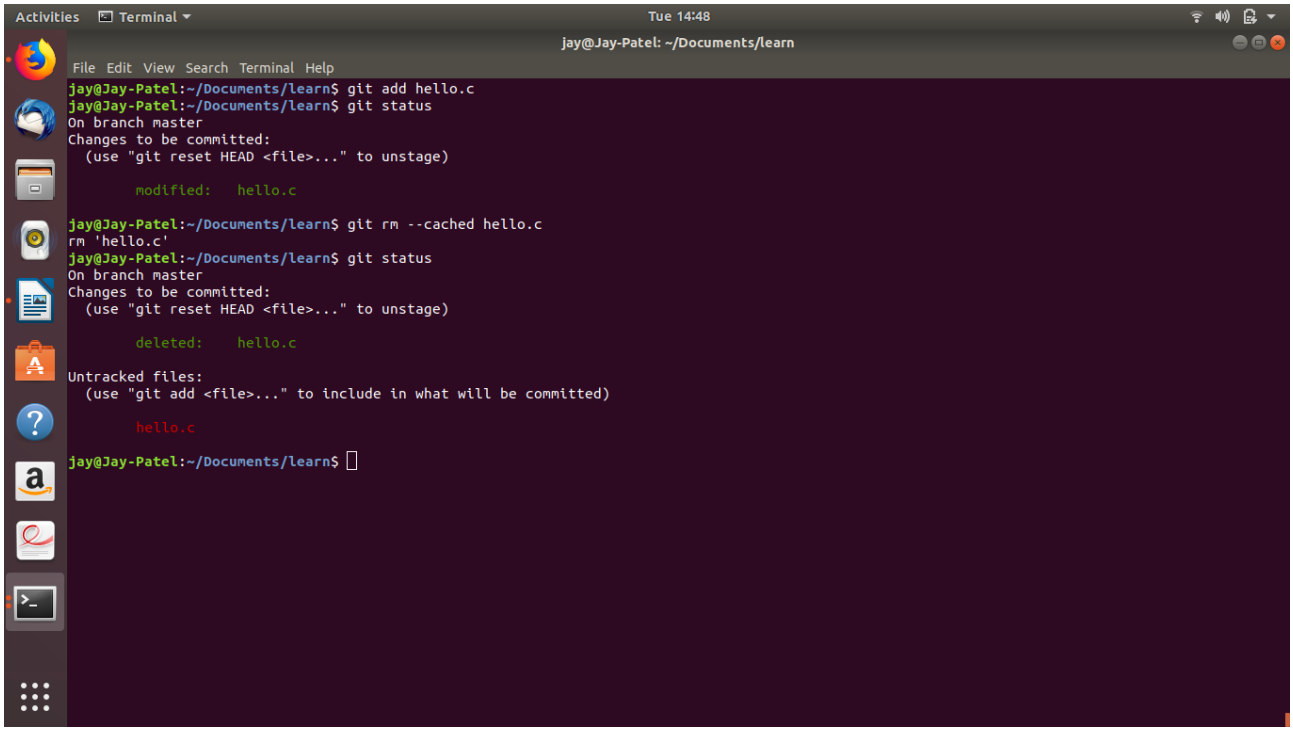
Exercise 2 :Initialize a Git Repository



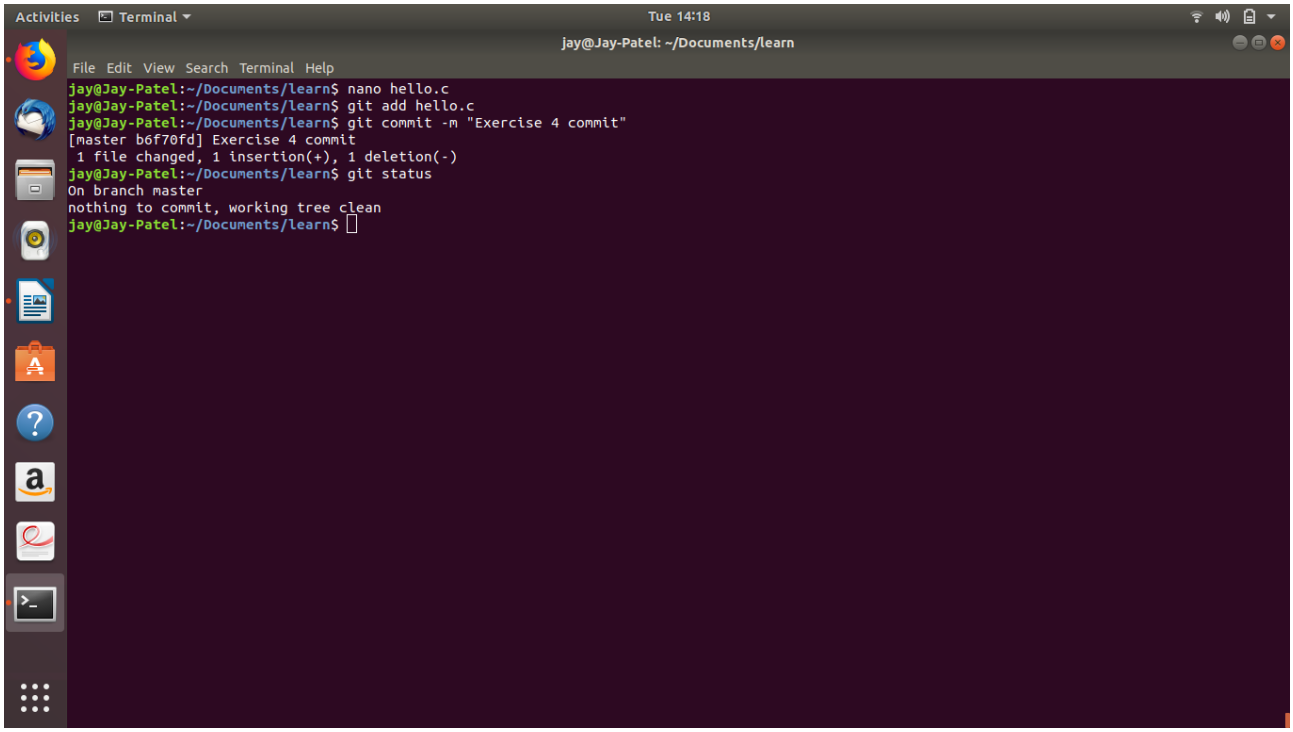
Exercise 3 : Add files to the repository



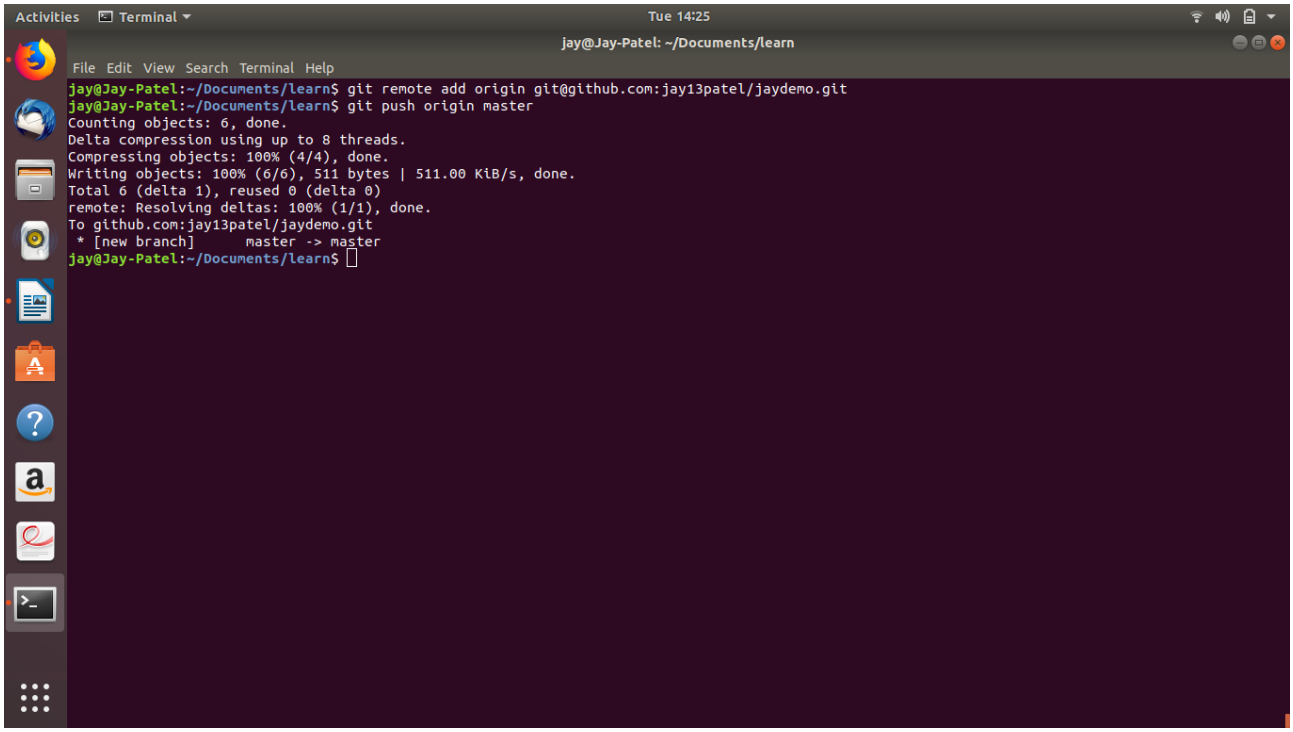
Exercise 4 :Unstage 1 file



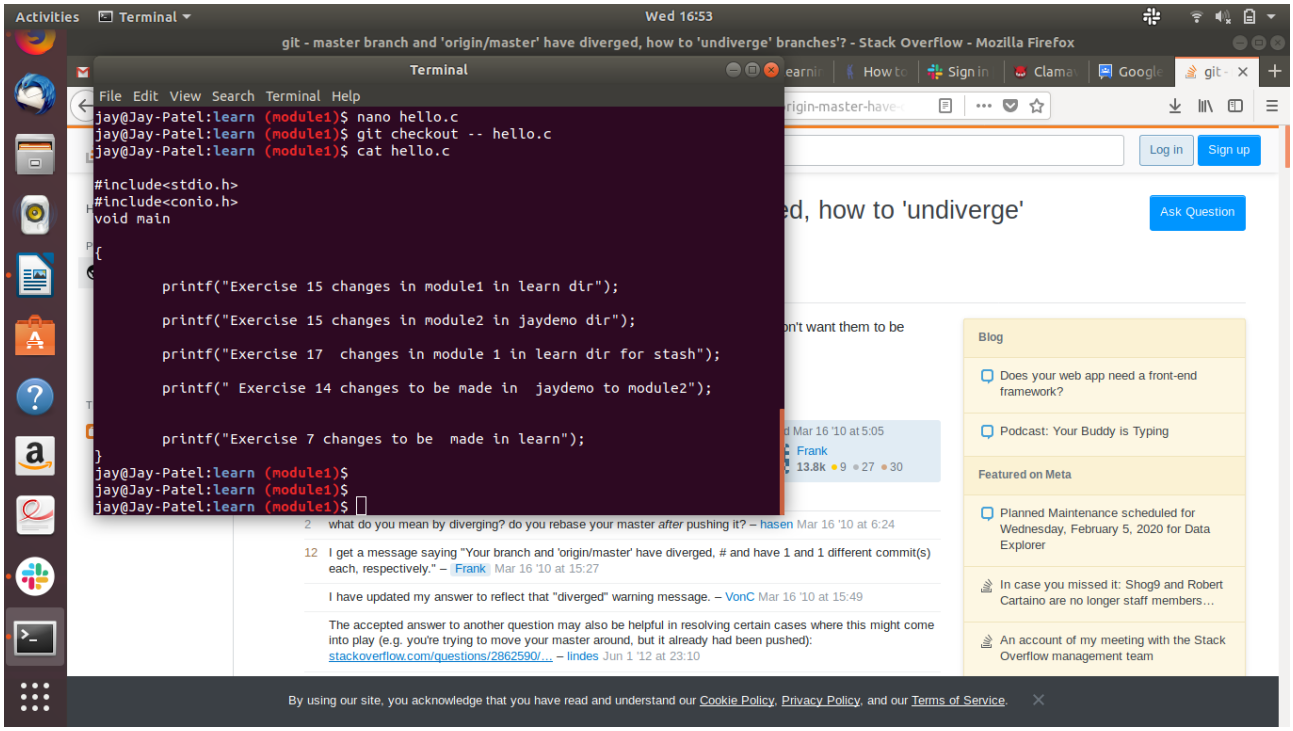
Exercise 5 :Commit the file



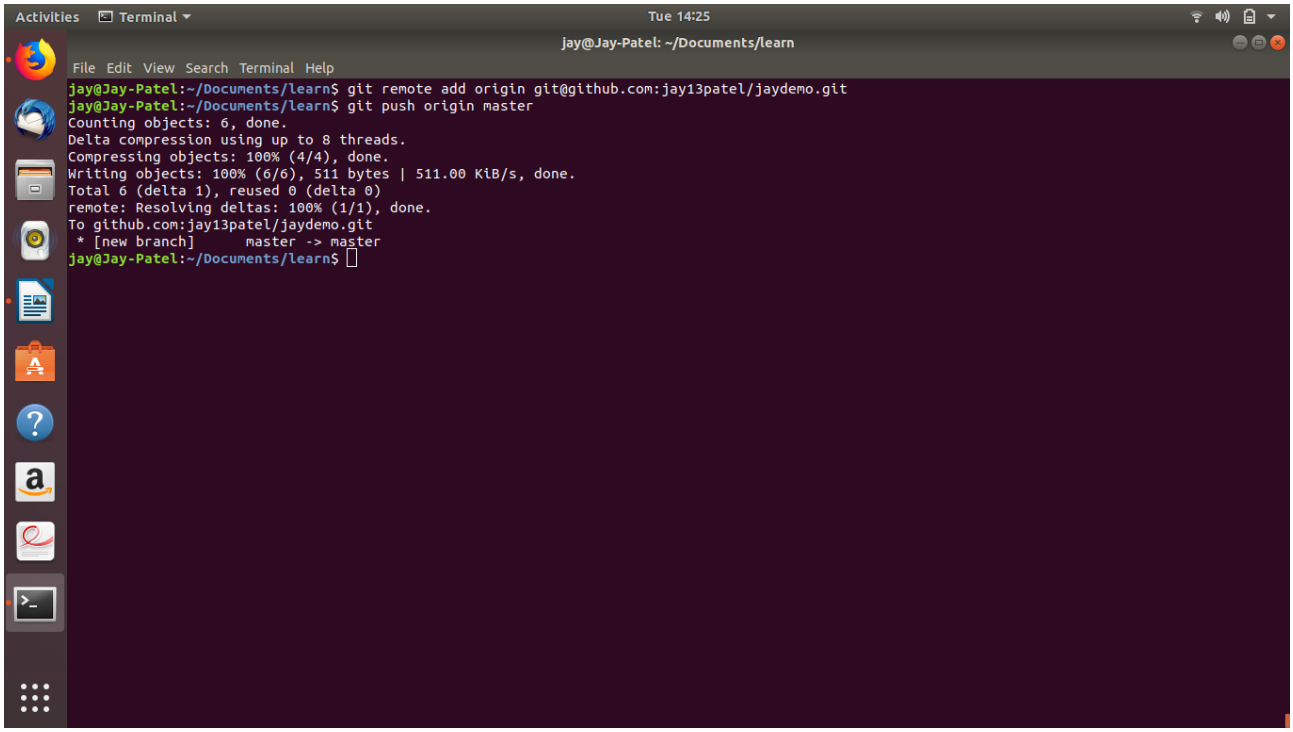
Exercise 6 :Add a remote



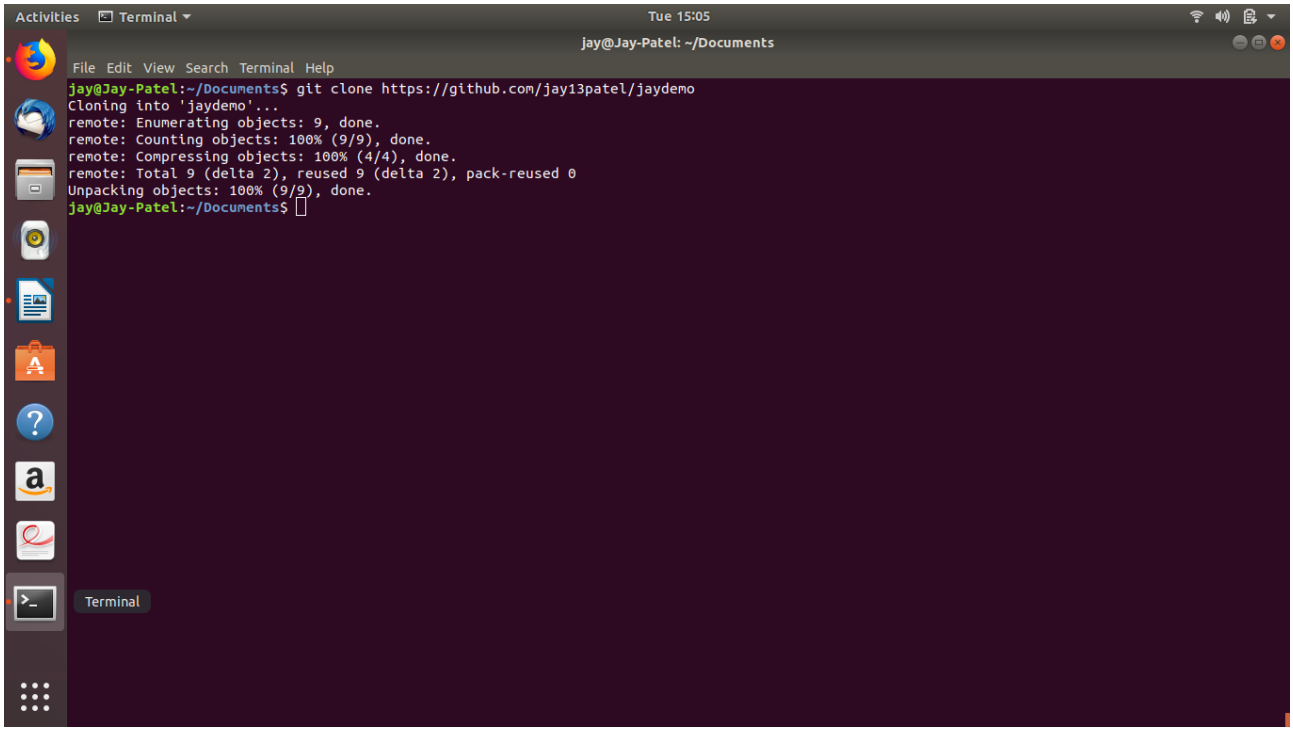
Exercise 7 :Undo changes to a particular file



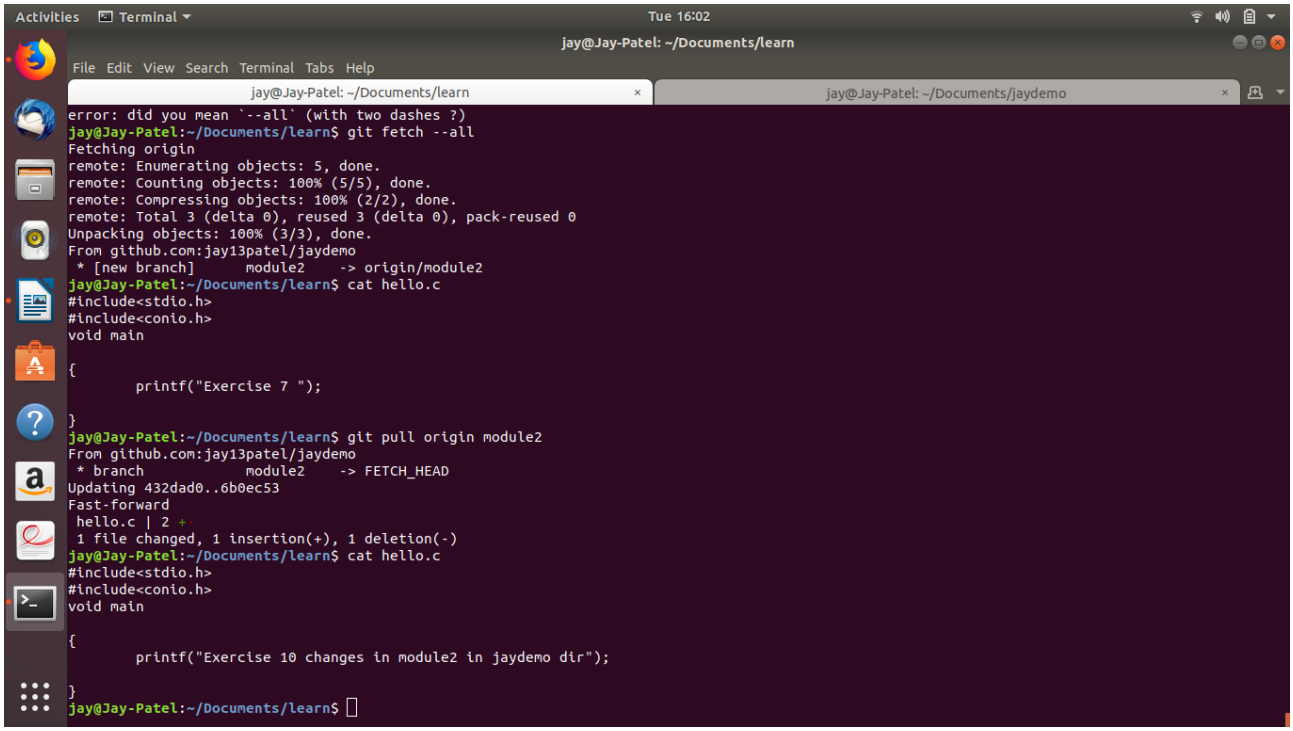
Exercise 8 :Push changes to Github

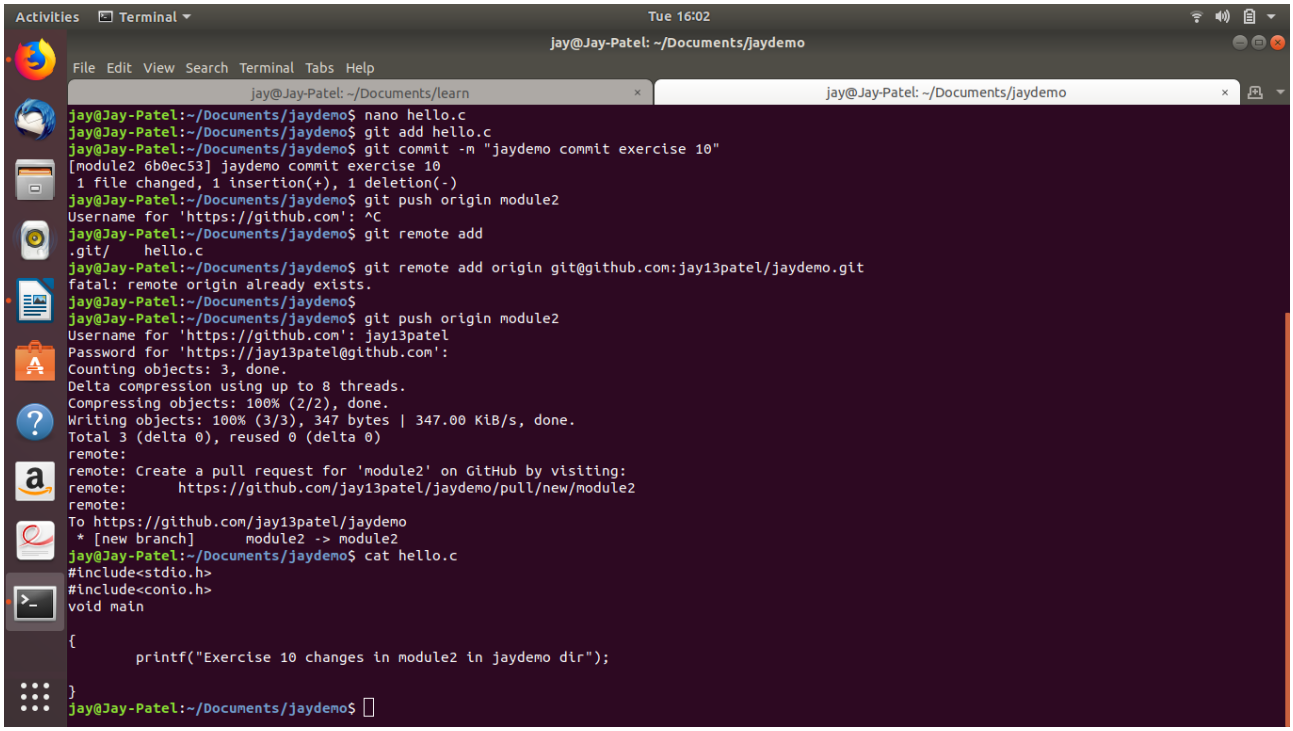


Exercise 9 : Clone the repository

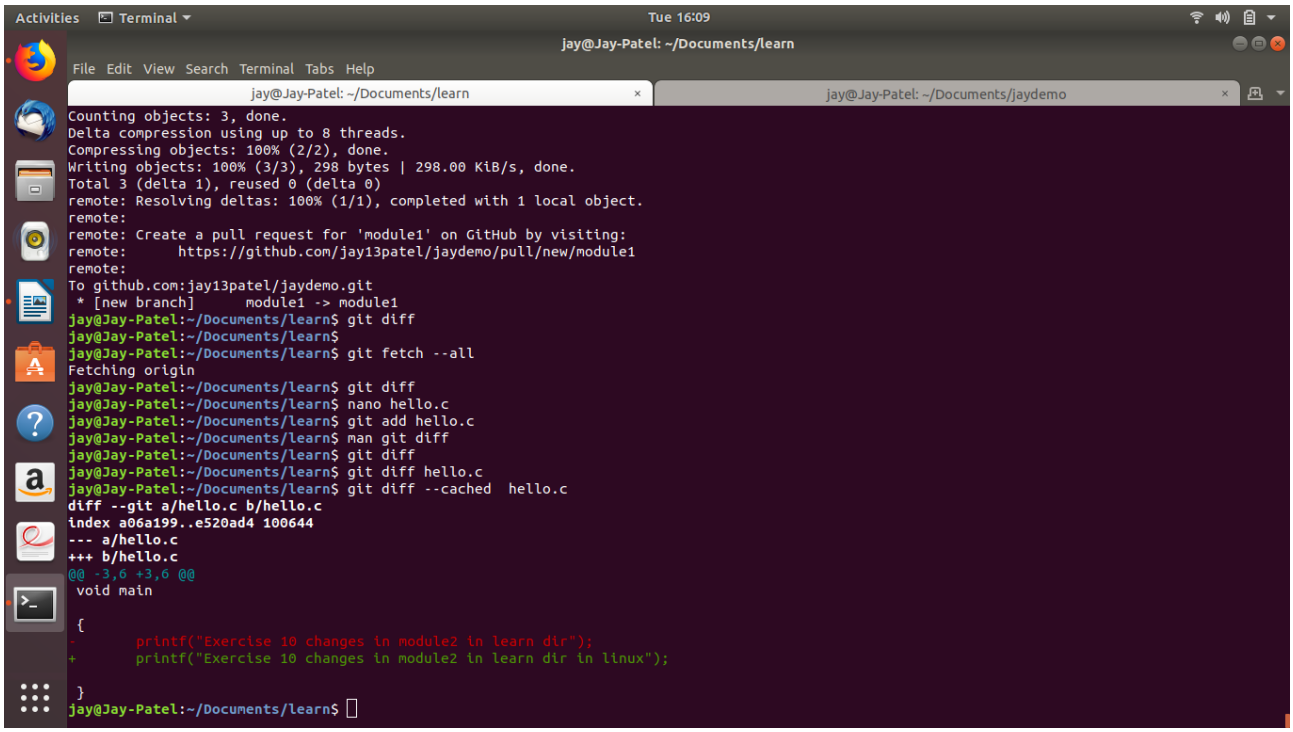


Exercise 10 :Add changes to one of the copies and pull the changes in the other.

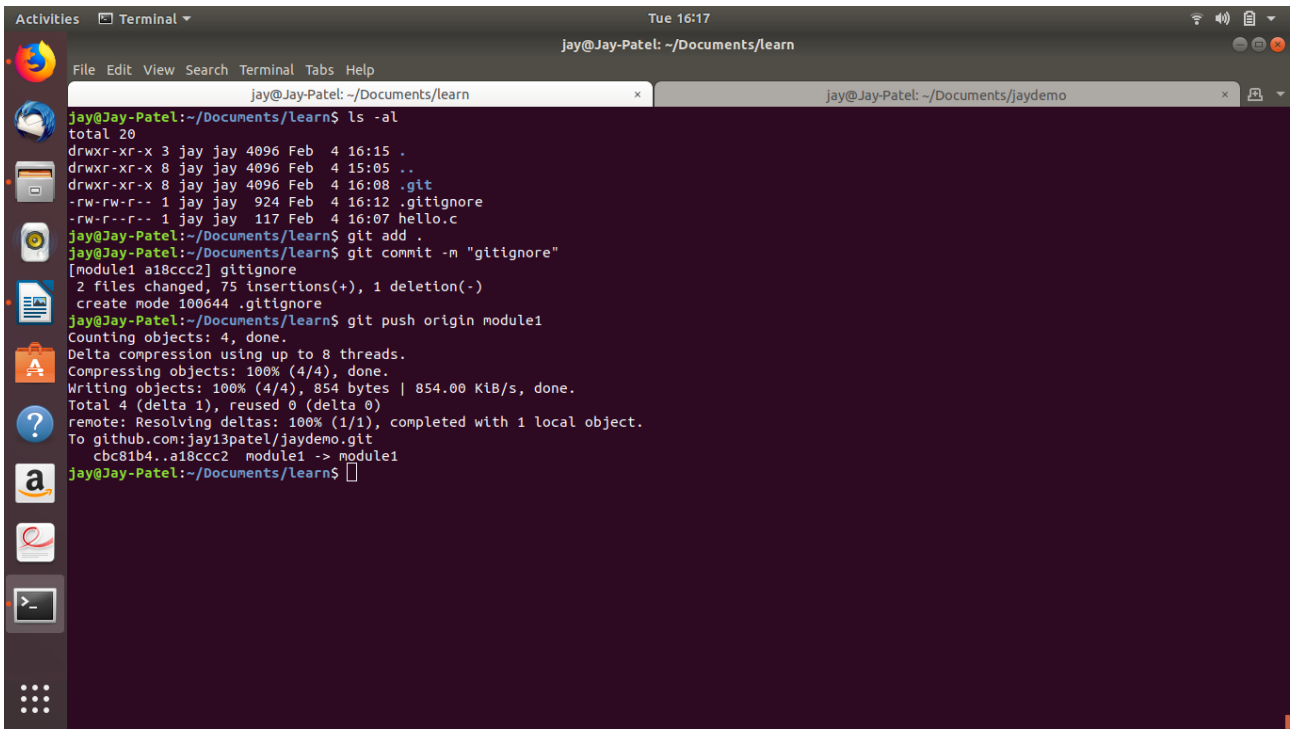




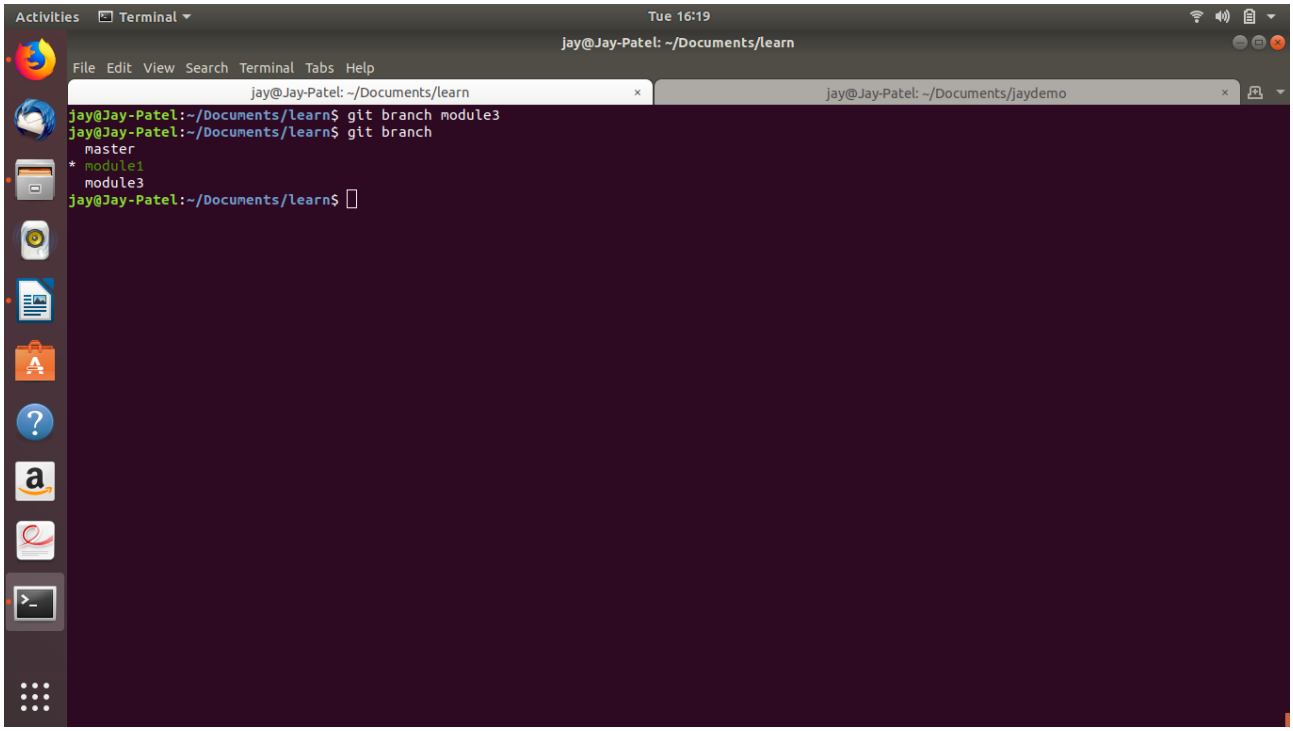
Exercise 11: Check differences between a file and its staged version



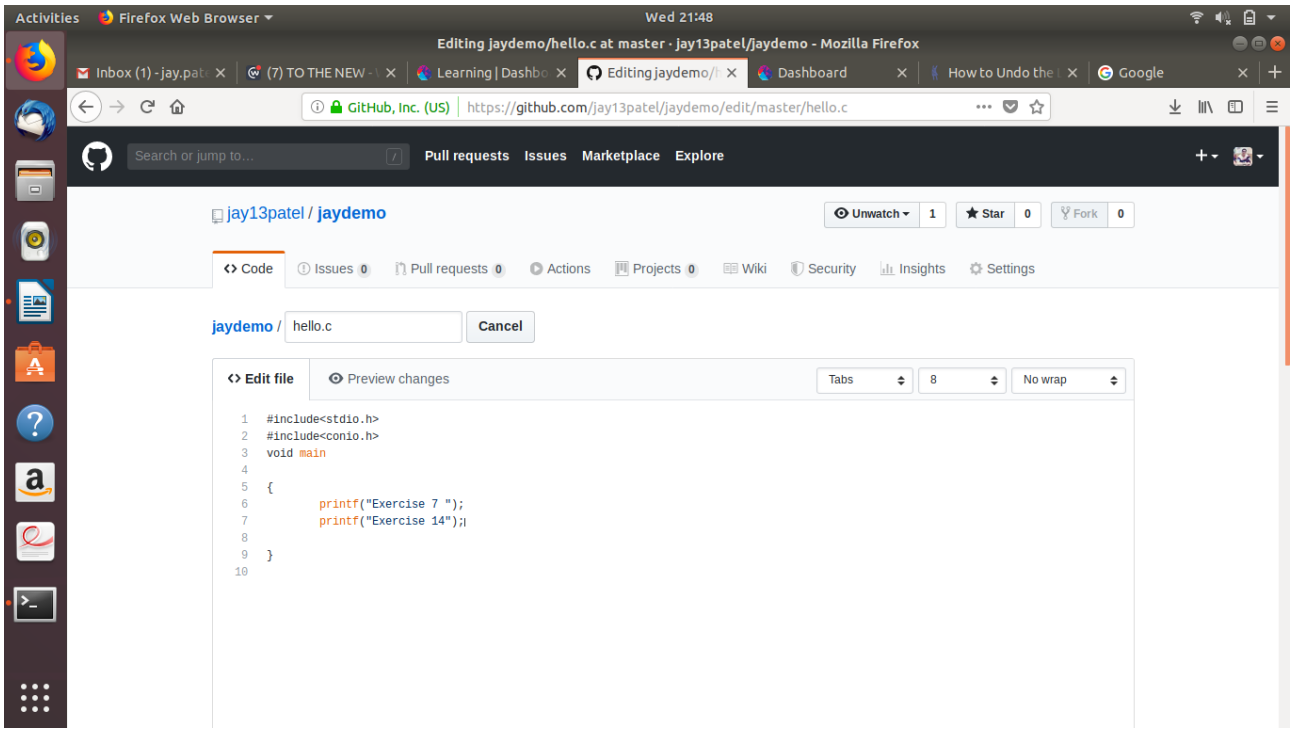
Exercise 12 : Ignore a few files to be checked in

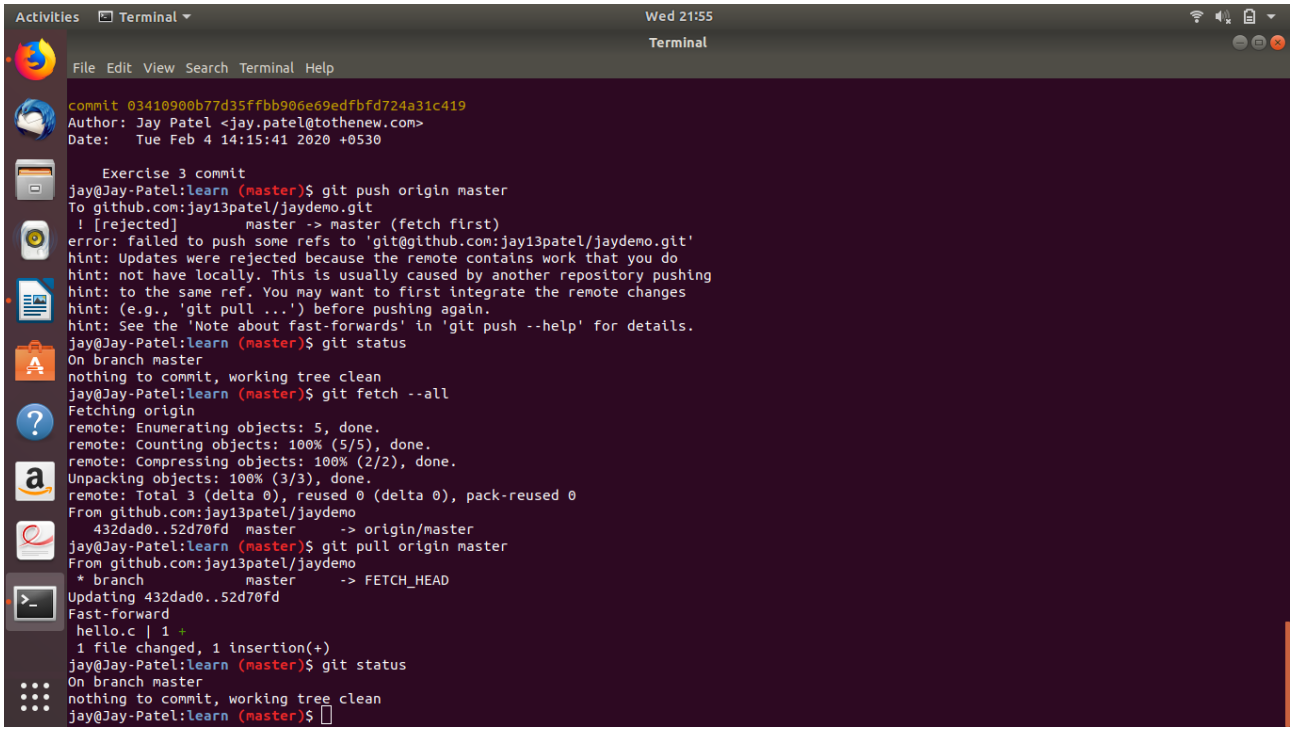


Exercise 13 : Create a new branch.

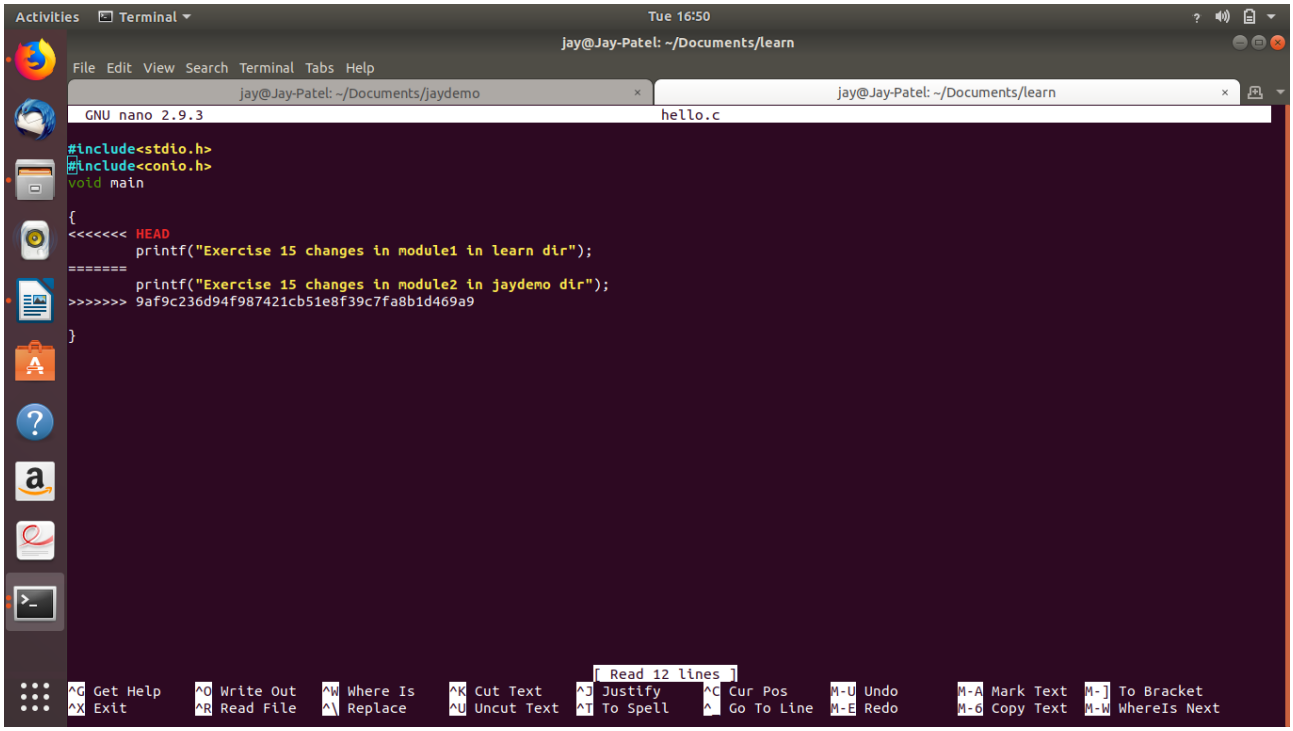


Exercise 14 :Diverge them with commits

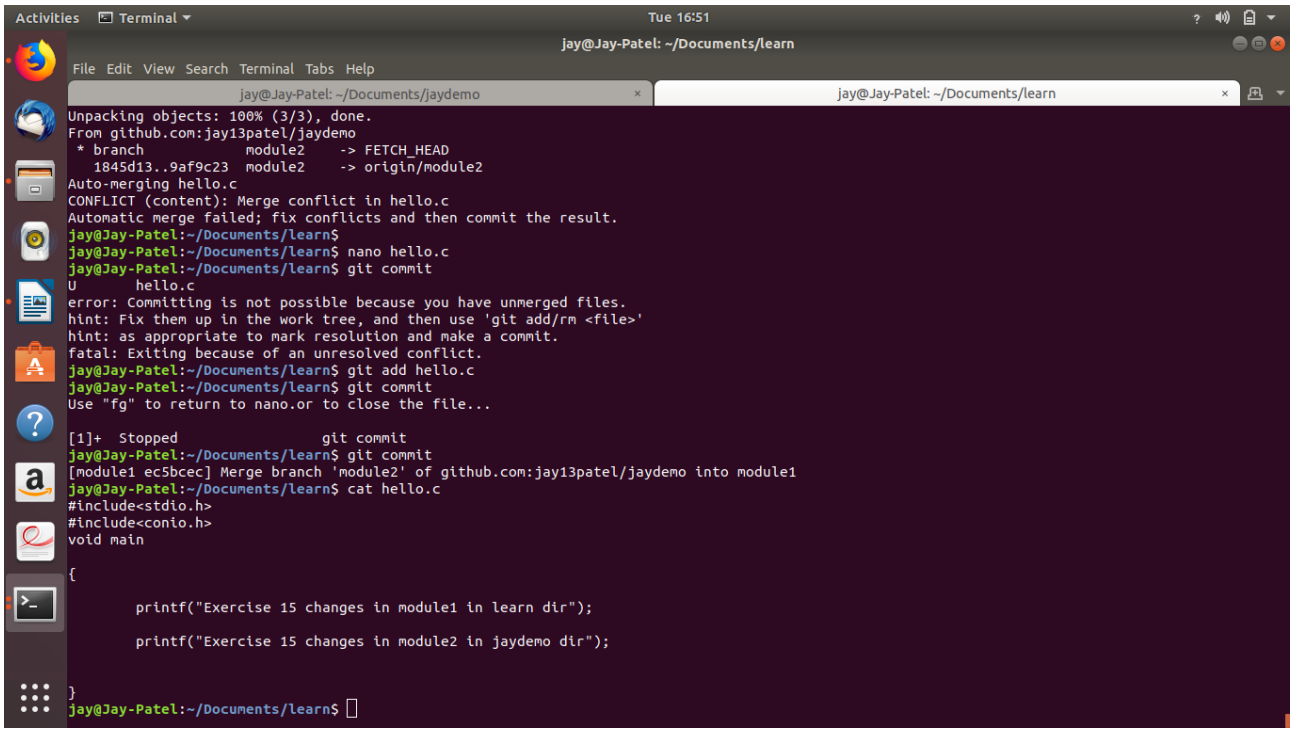



Activities
Terminal
Wed 21:55
Terminal
File Edit View Search Terminal Help
commit 03410900b77d35ffbb906e69edfbfd724a31c419
Author: Jay Patel <jay.patel@tothenew.com>
Date: Tue Feb 4 14:15:41 2020 +0530
Exercise 3 commit
jay@Jay-Patel:learn (master)$ git push origin master
To github.com:jay13patel/jaydemo.git
! [rejected] master -> master (fetch first)
error: failed to push some refs to 'git@github.com:jay13patel/jaydemo.git'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
jay@Jay-Patel:learn (master)$ git status
On branch master
nothing to commit, working tree clean
jay@Jay-Patel:learn (master)$ git fetch --all
Fetching origin
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
Unpacking objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
From github.com:jay13patel/jaydemo
432dad0..52d70fd master -> origin/master
jay@Jay-Patel:learn (master)$ git pull origin master
From github.com:jay13patel/jaydemo
* branch master -> FETCH_HEAD
Updating 432dad0..52d70fd
Fast-forward
hello.c | 1 +
1 file changed, 1 insertion(+)
jay@Jay-Patel:learn (master)$ git status
On branch master
nothing to commit, working tree clean
jay@Jay-Patel:learn (master)$

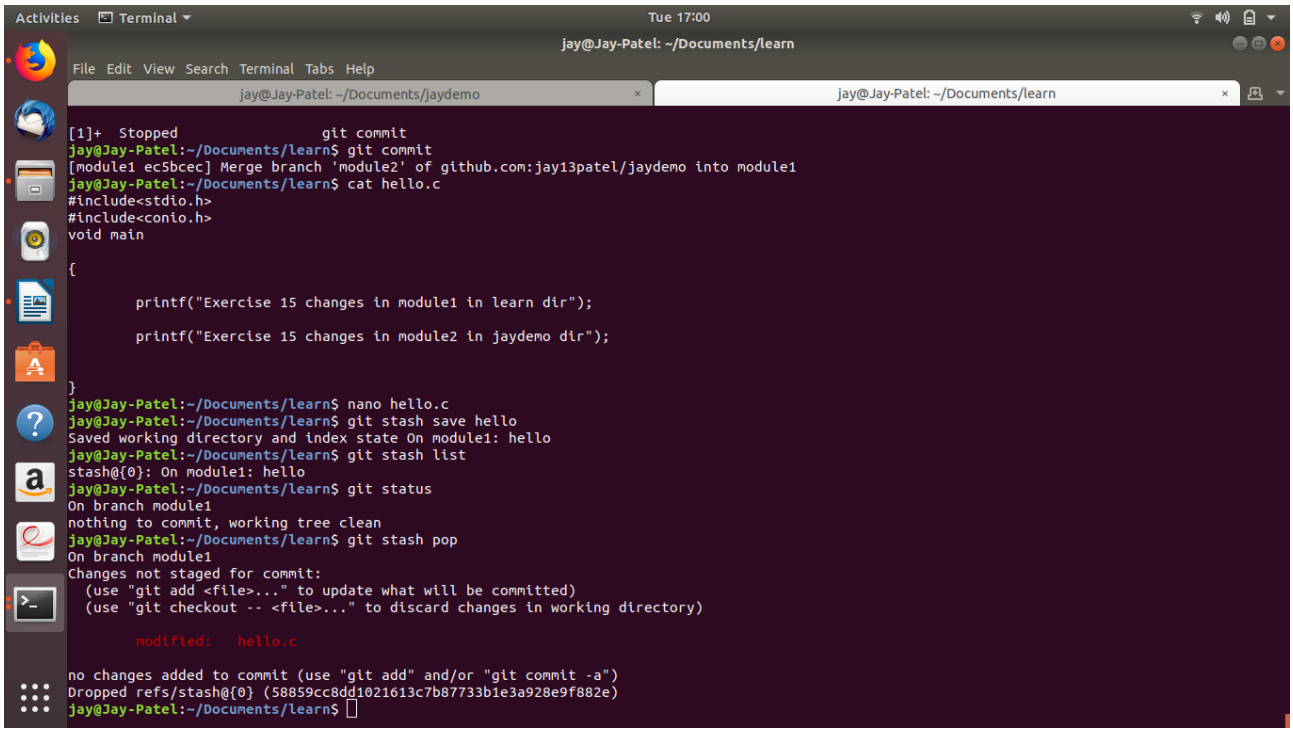
Exercise 15 : Edit the same file at the same line on both branches and commit



Exercise :16 Try merging and resolve merge conflicts



Exercise 17 : Stash the changes and pop them



Exercise 18 : Add the following code to your .bashrc file : color_prompt="yes"
parse_git_branch() {
git branch 2> /dev/null | sed -e '/^[^*]/d' -e 's/* \(.*\)/(\1)/'
}
if ["$color_prompt" = yes]; then
PS1='\u@\h\[\033[00m\]:\[\033[01;34m\]\W\[\033[01;31m\] $(parse_git_branch)\[\033[00m\]\$ '
else
PS1='\u@\h:\W $(parse_git_branch)\$ '
fi
unset color_prompt force_color_prompt