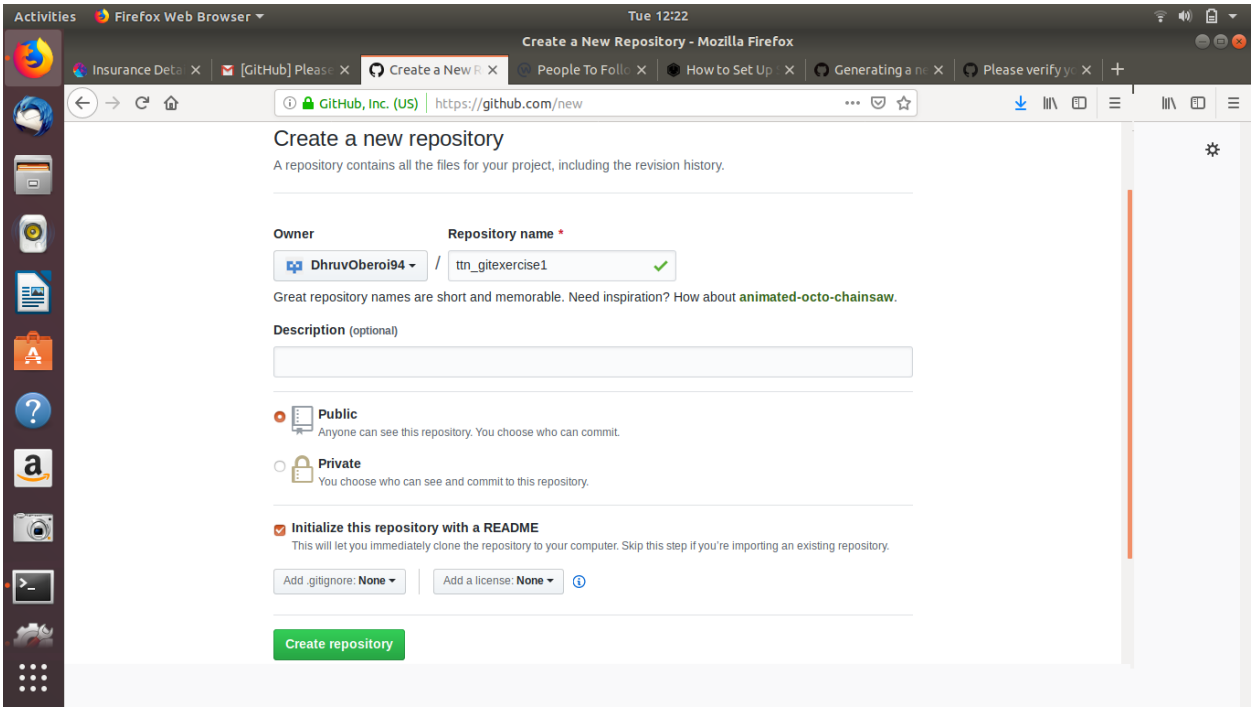
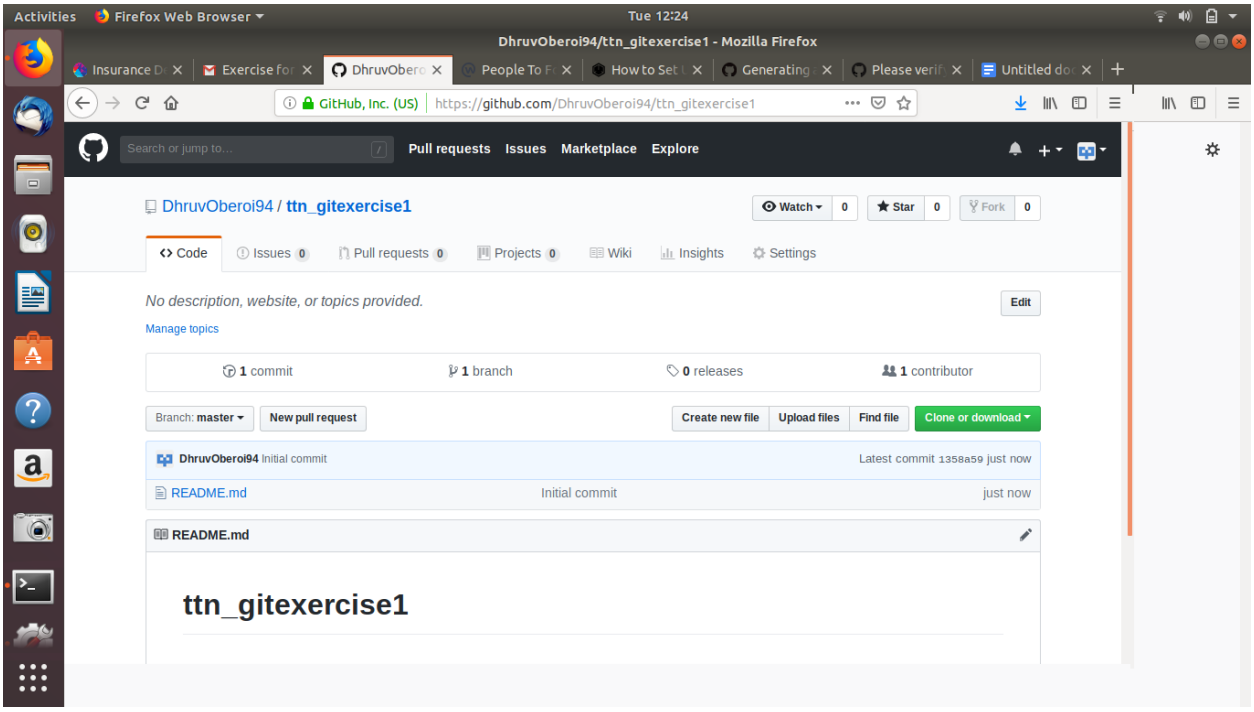
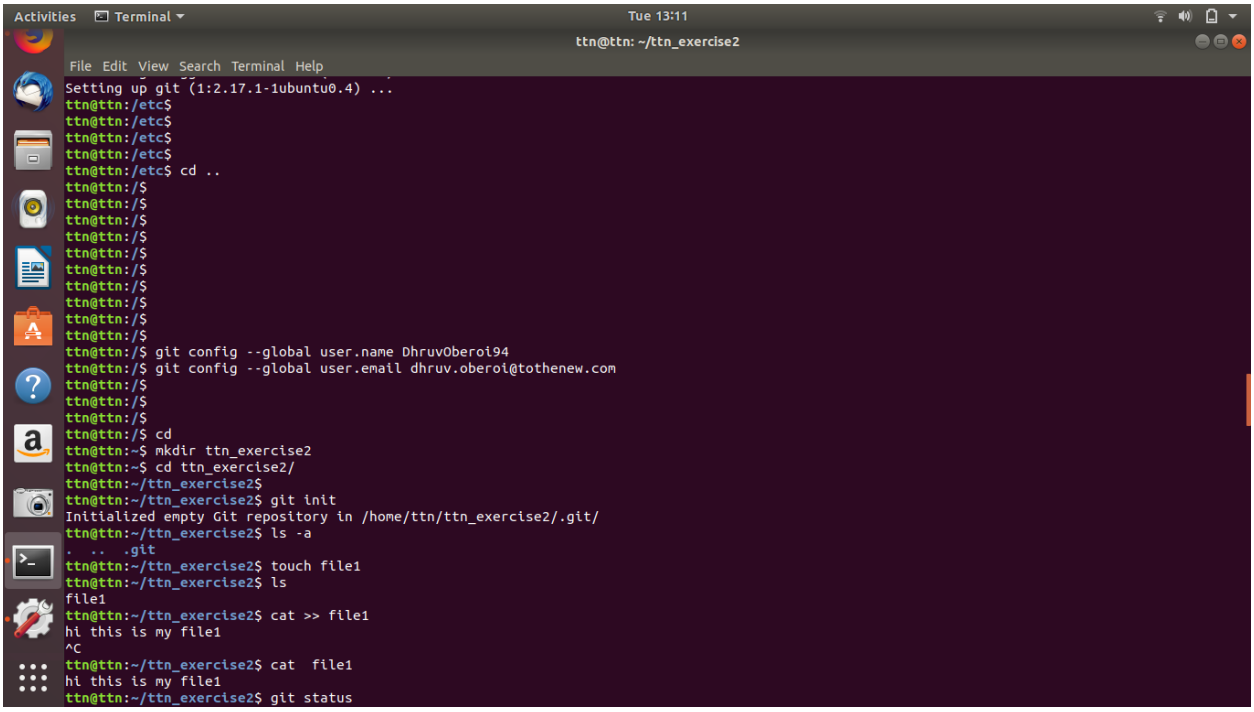
Q1. Git Setup

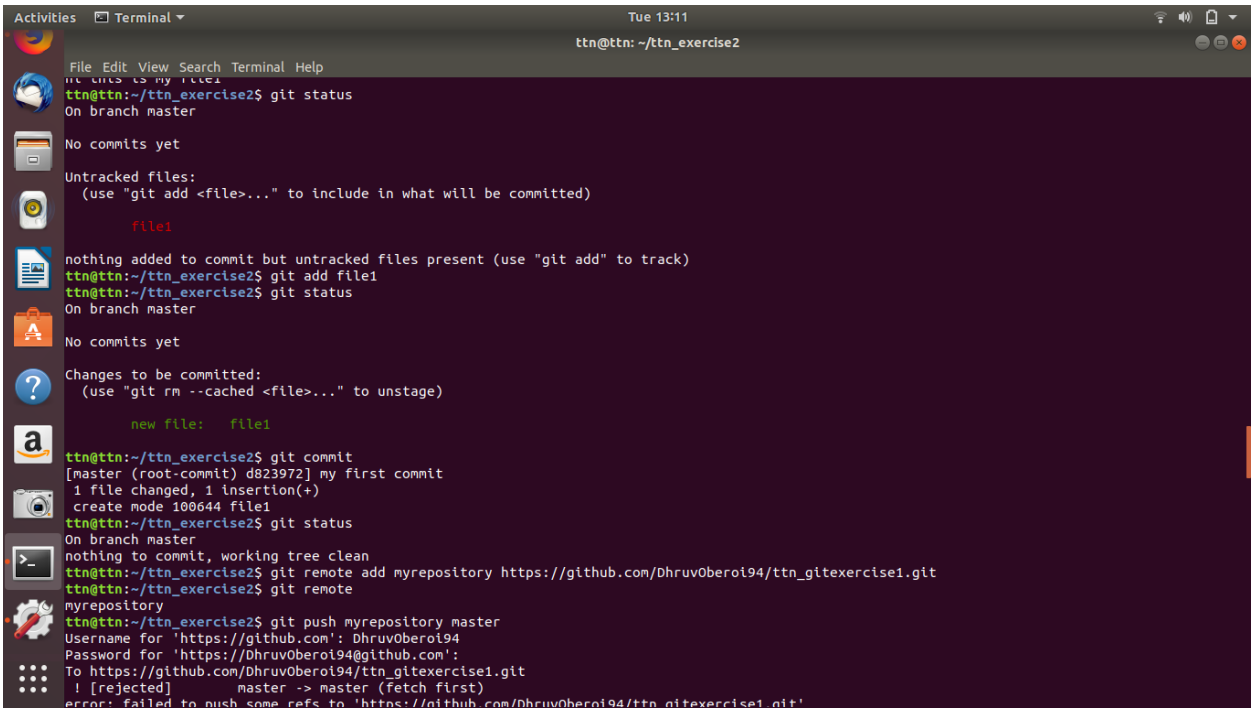

Activities
Firefox Web Browser
Tue 12:22
Create a New Repository - Mozilla Firefox
GitHub, Inc. (US)
https://github.com/new
Create a new repository
A repository contains all the files for your project, including the revision history.
Owner
Repository name *
DhruvOberoi94
ttn_gitexercise1
Great repository names are short and memorable. Need inspiration? How about animated-octo-chainsaw.
Description (optional)
Public
Anyone can see this repository. You choose who can commit.
Private
You choose who can see and commit to this repository.
Initialize this repository with a README
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.
Add .gitignore: None
Add a license: None
Create repository


Activities
Firefox Web Browser
Tue 12:24
DhruvOberoi94/ttn_gitexercise1 - Mozilla Firefox
GitHub, Inc. (US)
https://github.com/DhruvOberoi94/ttn_gitexercise1
Search or jump to...
Pull requests
Issues
Marketplace
Explore
DhruvOberoi94 / ttn_gitexercise1
Watch 0
Star 0
Fork 0
Code
Issues 0
Pull requests 0
Projects 0
Wiki
Insights
Settings
No description, website, or topics provided.
Edit
Manage topics
1 commit
1 branch
0 releases
1 contributor
Branch: master
New pull request
Create new file
Upload files
Find file
Clone or download
DhruvOberoi94 Initial commit
Latest commit 1358a59 just now
README.md
Initial commit
just now
README.md
ttn_gitexercise1

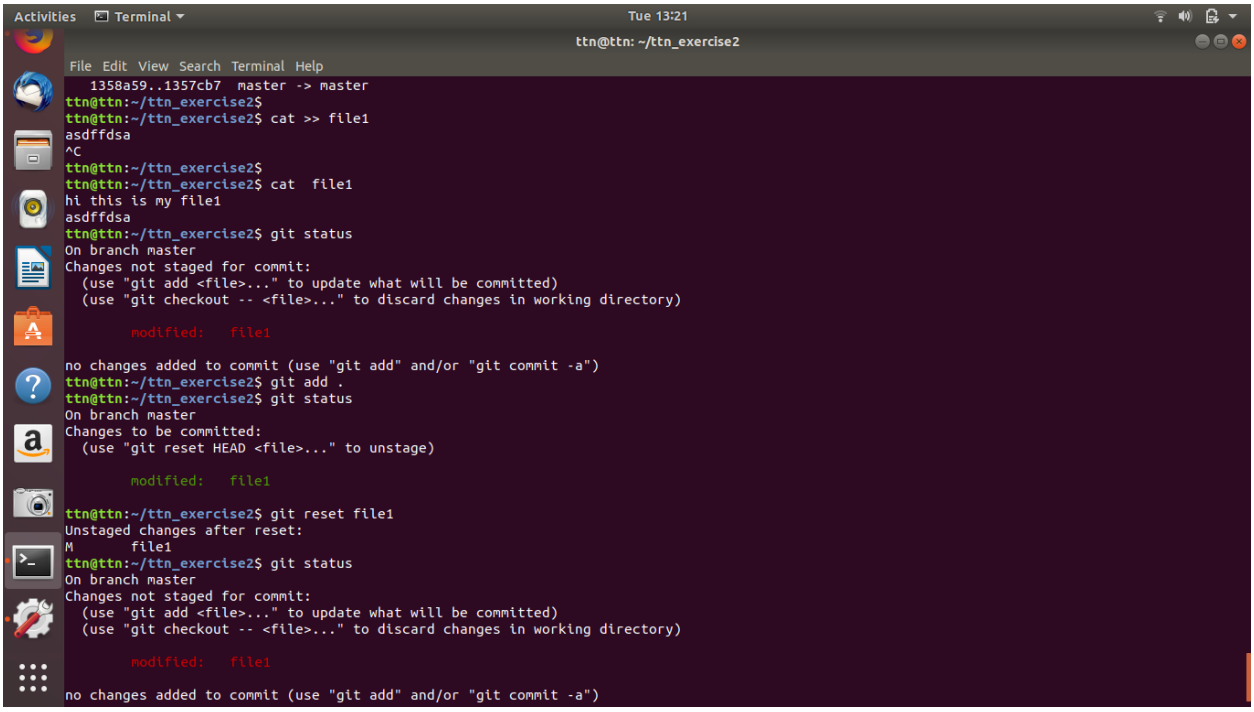
Q2. Initialize a git repository.



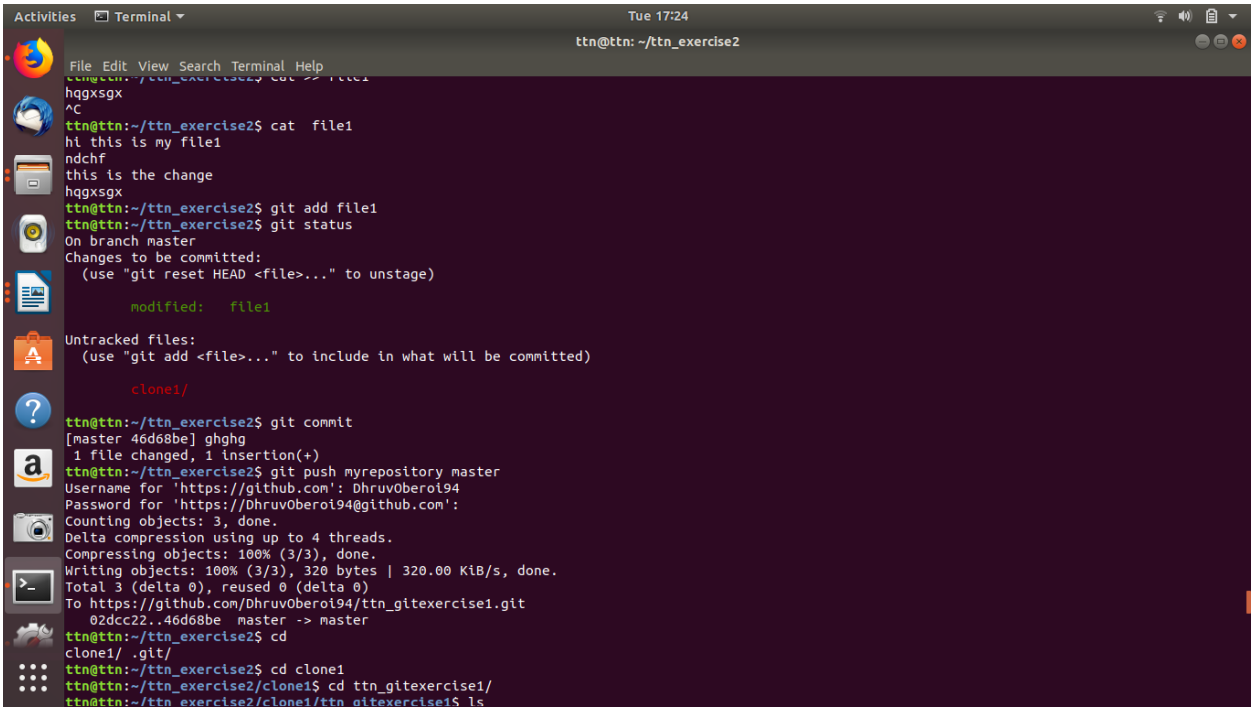
Q3,6. Adding file to repository. Adding a remote.



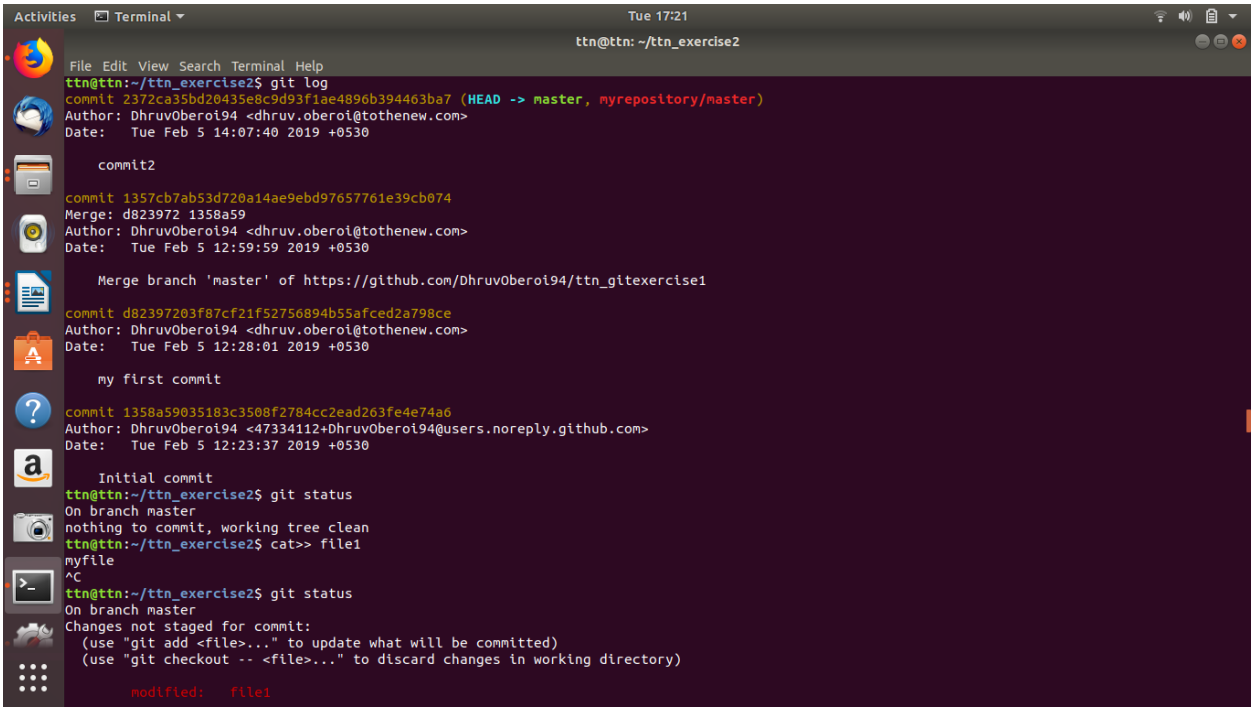
Q4. Unstage a file

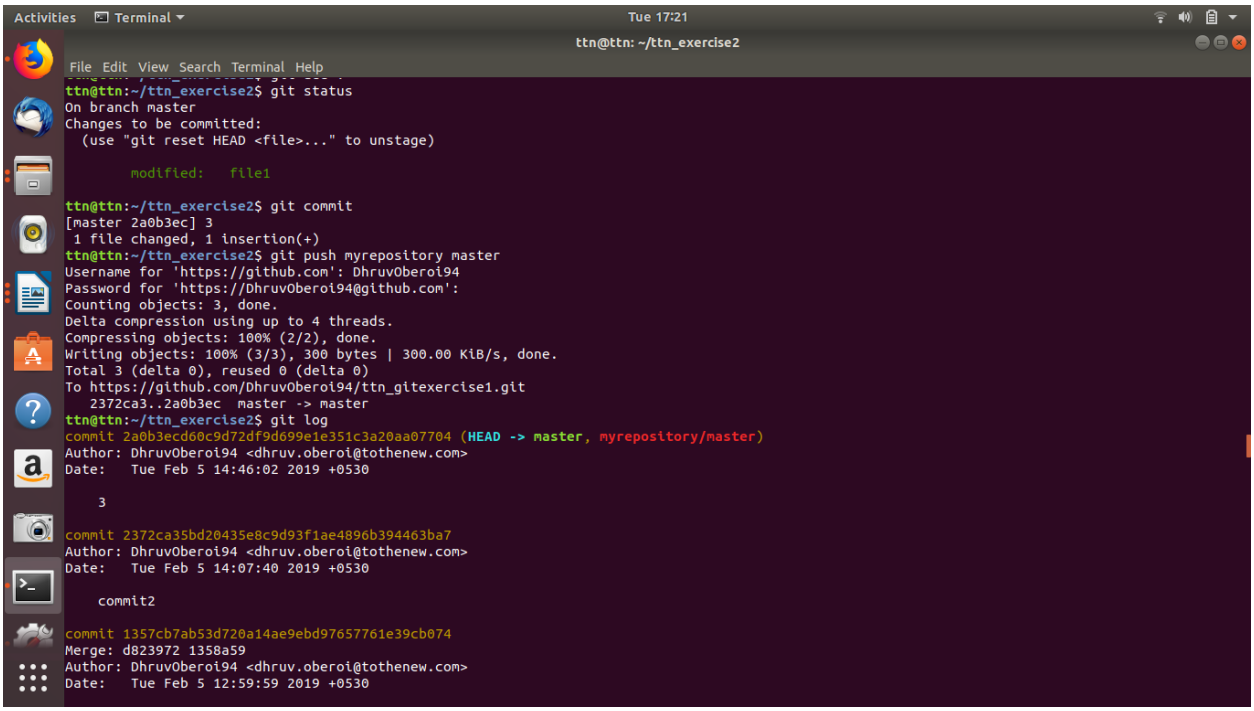


Q5. Commit the file



Q7,8. Undo changes to a file. Push changes to github



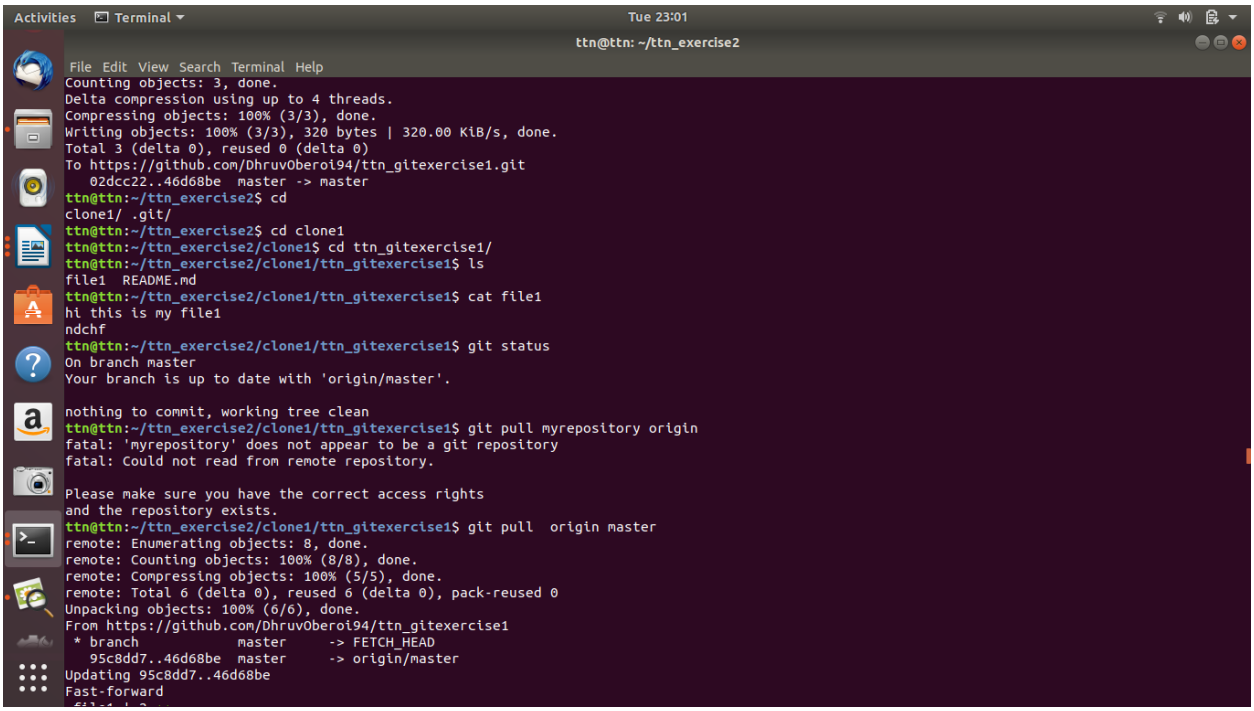

Activities
Terminal
Tue 17:21
ttn@ttn: ~/ttn_exercise2
File Edit View Search Terminal Help
ttn@ttn:~/ttn_exercise2$ git status
On branch master
Changes to be committed:
(use "git reset HEAD <file>..." to unstage)
modified: file1
ttn@ttn:~/ttn_exercise2$ git commit
[master 2a0b3ec] 3
1 file changed, 1 insertion(+)
ttn@ttn:~/ttn_exercise2$ git push myrepository master
Username for 'https://github.com': DhruvOberoi94
Password for 'https://DhruvOberoi94@github.com':
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 300 bytes | 300.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/DhruvOberoi94/ttn_gitexercise1.git
2372ca3..2a0b3ec master -> master
ttn@ttn:~/ttn_exercise2$ git log
commit 2a0b3ecd60c9d72df9d699e1e351c3a20aa07704 (HEAD -> master, myrepository/master)
Author: DhruvOberoi94 <dhruv.oberoi@tothenew.com>
Date: Tue Feb 5 14:46:02 2019 +0530
3
commit 2372ca35bd20435e8c9d93f1ae4896b394463ba7
Author: DhruvOberoi94 <dhruv.oberoi@tothenew.com>
Date: Tue Feb 5 14:07:40 2019 +0530
commit2
commit 1357cb7ab53d720a14ae9ebd97657761e39cb074
Merge: d823972 1358a59
Author: DhruvOberoi94 <dhruv.oberoi@tothenew.com>
Date: Tue Feb 5 12:59:59 2019 +0530

Q9. Clone the repository

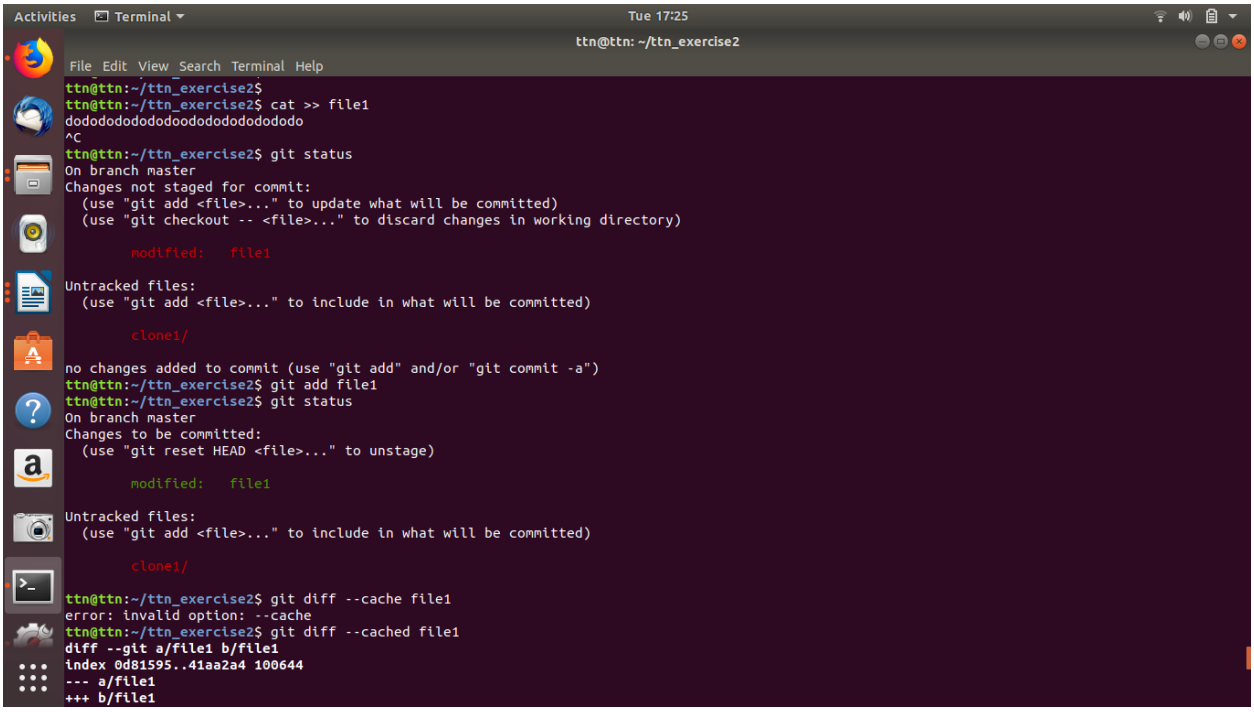
```
ttn@ttn:~/ttn_exercise2$ mkdir clone1
ttn@ttn:~/ttn_exercise2$ cd clone1/
ttn@ttn:~/ttn_exercise2/clone1$ git clone https://github.com/DhruvOberoi94/ttn_gitexercise1.git
Cloning into 'ttn_gitexercise1'...
remote: Enumerating objects: 15, done.
remote: Counting objects: 100% (15/15), done.
remote: Compressing objects: 100% (9/9), done.
remote: Total 15 (delta 1), reused 11 (delta 0), pack-reused 0
Unpacking objects: 100% (15/15), done.
ttn@ttn:~/ttn_exercise2/clone1$ ls
ttn_gitexercise1
ttn@ttn:~/ttn_exercise2/clone1$ cd ttn_gitexercise1/
ttn@ttn:~/ttn_exercise2/clone1/ttn_gitexercise1$ ls
file1  README.md
ttn@ttn:~/ttn_exercise2/clone1/ttn_gitexercise1$ cat file1
hi this is my file1
ndchf
ttn@ttn:~/ttn_exercise2/clone1/ttn_gitexercise1$ cd ../..
ttn@ttn:~/ttn_exercise2$ cat >> file1
this is the change
^C
ttn@ttn:~/ttn_exercise2$ cat  file1
hi this is my file1
ndchf
this is the change
ttn@ttn:~/ttn_exercise2$ 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:   file1

Untracked files:
  (use "git add <file>..." to include in what will be committed)
```

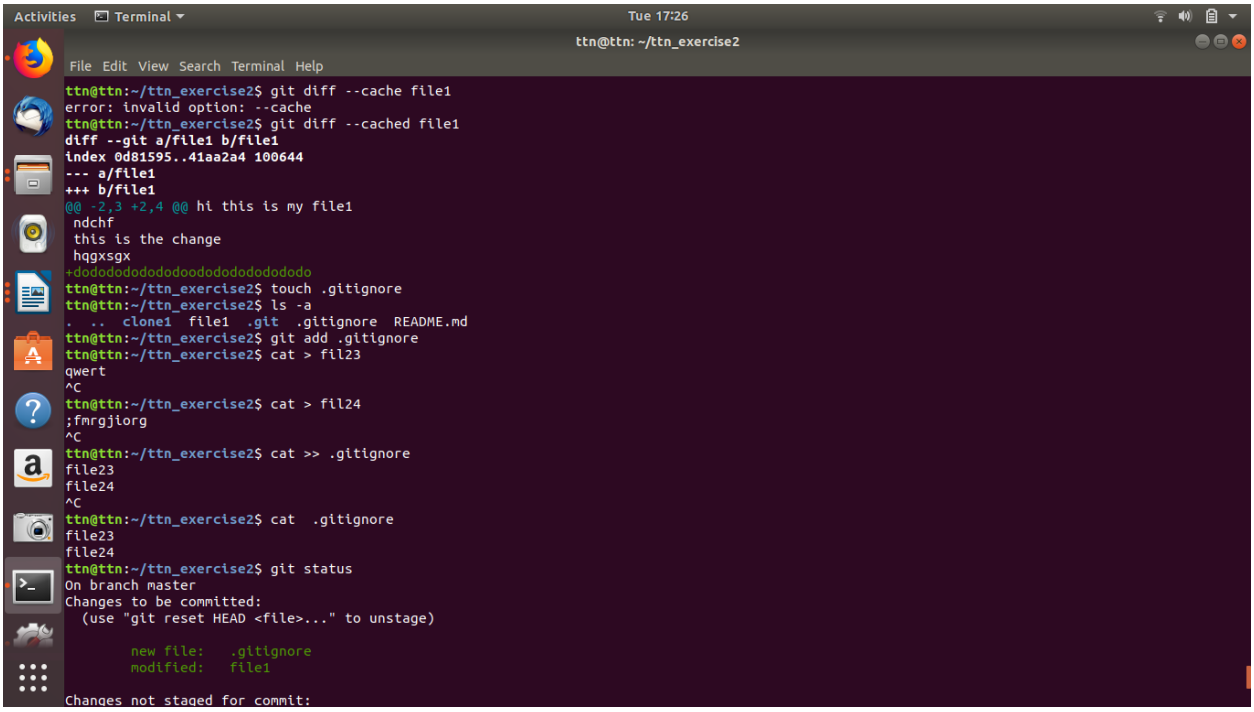
Q10. Add changes to one of the copies and pull the changes in the other.

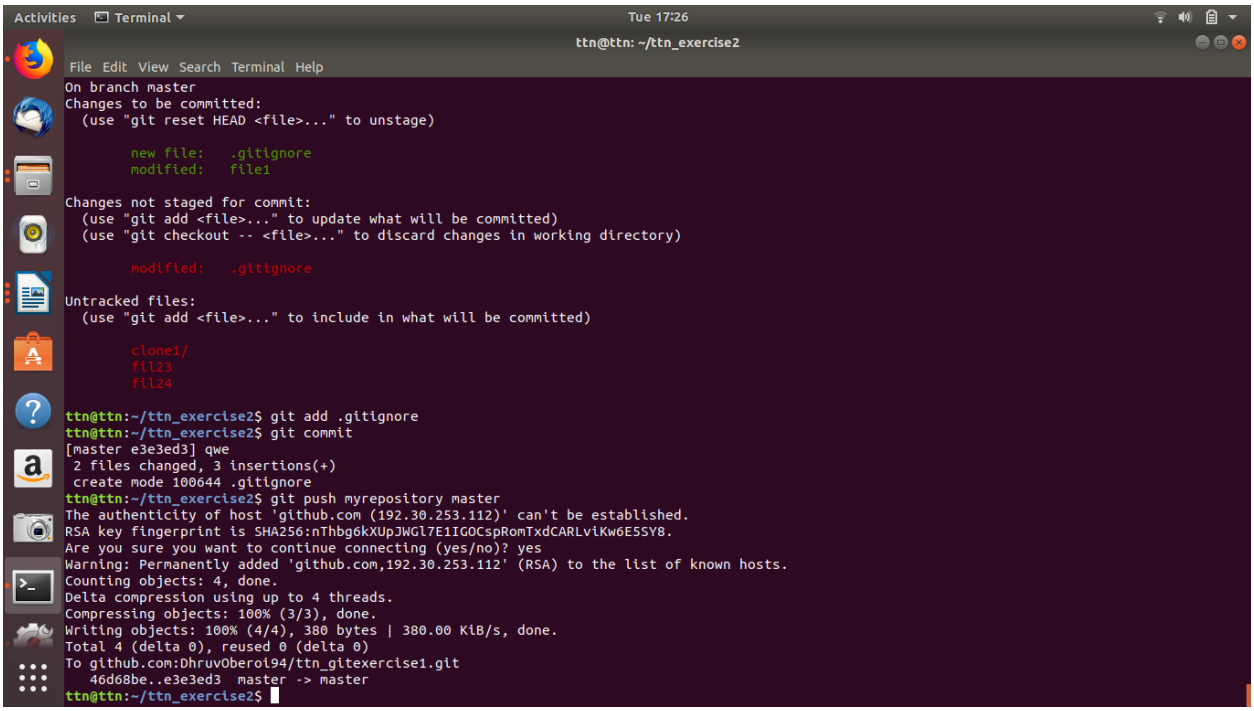
```
ttn@ttn:~/ttn_exercise2$ cat >> file1
hqgxsgx
^C
ttn@ttn:~/ttn_exercise2$ cat  file1
hi this is my file1
ndchf
this is the change
hqgxsgx
ttn@ttn:~/ttn_exercise2$ git add file1
ttn@ttn:~/ttn_exercise2$ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   file1

Untracked files:
  (use "git add <file>..." to include in what will be committed)

        clone1/

ttn@ttn:~/ttn_exercise2$ git commit
[master 46d68be] ghghg
 1 file changed, 1 insertion(+)
ttn@ttn:~/ttn_exercise2$ git push myrepository master
Username for 'https://github.com': DhruvOberoi94
Password for 'https://DhruvOberoi94@github.com':
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 320 bytes | 320.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/DhruvOberoi94/ttn_gitexercise1.git
```


Activities
Terminal
Tue 23:01
ttn@ttn: ~/ttn_exercise2
File Edit View Search Terminal Help
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 320 bytes | 320.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/DhruvOberoi94/ttn_gitexercise1.git
02dcc22..46d68be master -> master
ttn@ttn:~/ttn_exercise2$ cd
clone1/ .git/
ttn@ttn:~/ttn_exercise2$ cd clone1
ttn@ttn:~/ttn_exercise2/clone1$ cd ttn_gitexercise1/
ttn@ttn:~/ttn_exercise2/clone1/ttn_gitexercise1$ ls
file1 README.md
ttn@ttn:~/ttn_exercise2/clone1/ttn_gitexercise1$ cat file1
hi this is my file1
ndchf
ttn@ttn:~/ttn_exercise2/clone1/ttn_gitexercise1$ git status
On branch master
Your branch is up to date with 'origin/master'.
nothing to commit, working tree clean
ttn@ttn:~/ttn_exercise2/clone1/ttn_gitexercise1$ git pull myrepository origin
fatal: 'myrepository' does not appear to be a git repository
fatal: Could not read from remote repository.
Please make sure you have the correct access rights
and the repository exists.
ttn@ttn:~/ttn_exercise2/clone1/ttn_gitexercise1$ git pull origin master
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 6 (delta 0), reused 6 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), done.
From https://github.com/DhruvOberoi94/ttn_gitexercise1
* branch master -> FETCH_HEAD
95c8dd7..46d68be master -> origin/master
Updating 95c8dd7..46d68be
Fast-forward

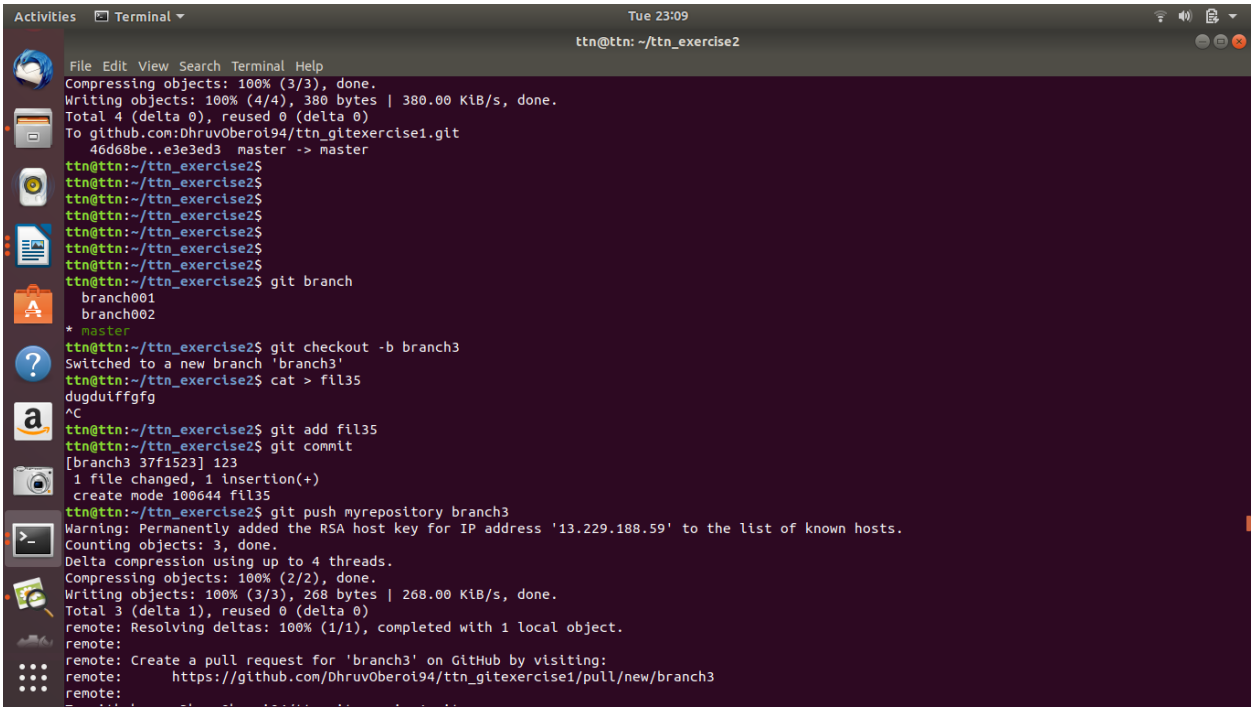
Q11,12 Difference between a file and its staged version. Ignore few files to be checked in.






Activities
Terminal
Tue 17:26
ttn@ttn: ~/ttn_exercise2
File Edit View Search Terminal Help
On branch master
Changes to be committed:
(use "git reset HEAD <file>..." to unstage)
new file: .gitignore
modified: file1
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: .gitignore
Untracked files:
(use "git add <file>..." to include in what will be committed)
clone1/
fil23
fil24
ttn@ttn:~/ttn_exercise2$ git add .gitignore
ttn@ttn:~/ttn_exercise2$ git commit
[master e3e3ed3] qwe
2 files changed, 3 insertions(+)
create mode 100644 .gitignore
ttn@ttn:~/ttn_exercise2$ git push myrepository master
The authenticity of host 'github.com (192.30.253.112)' can't be established.
RSA key fingerprint is SHA256:nThbg6kXUpJWGl7E1IGOCspRomTxdCARLviKw6E5SY8.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'github.com,192.30.253.112' (RSA) to the list of known hosts.
Counting objects: 4, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 380 bytes | 380.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0)
To github.com:DhruvOberoi94/ttn_gitexercise1.git
46d68be..e3e3ed3 master -> master
ttn@ttn:~/ttn_exercise2$

Q13. Create a new branch.

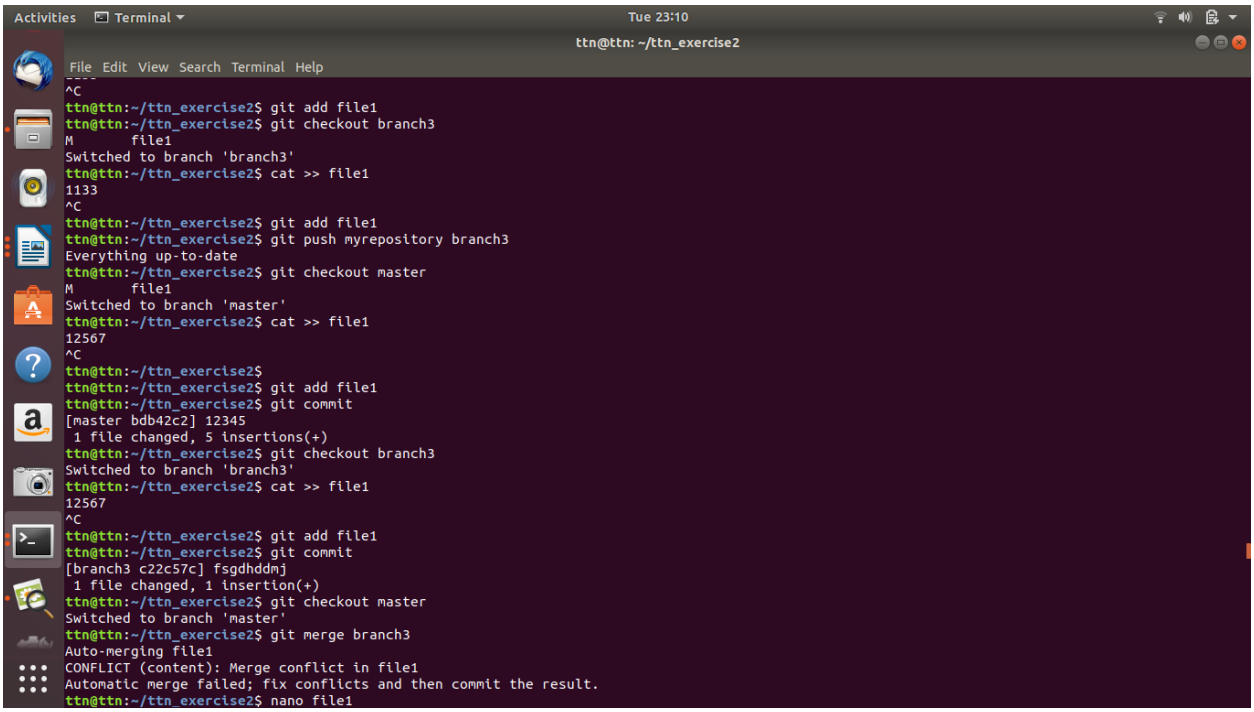


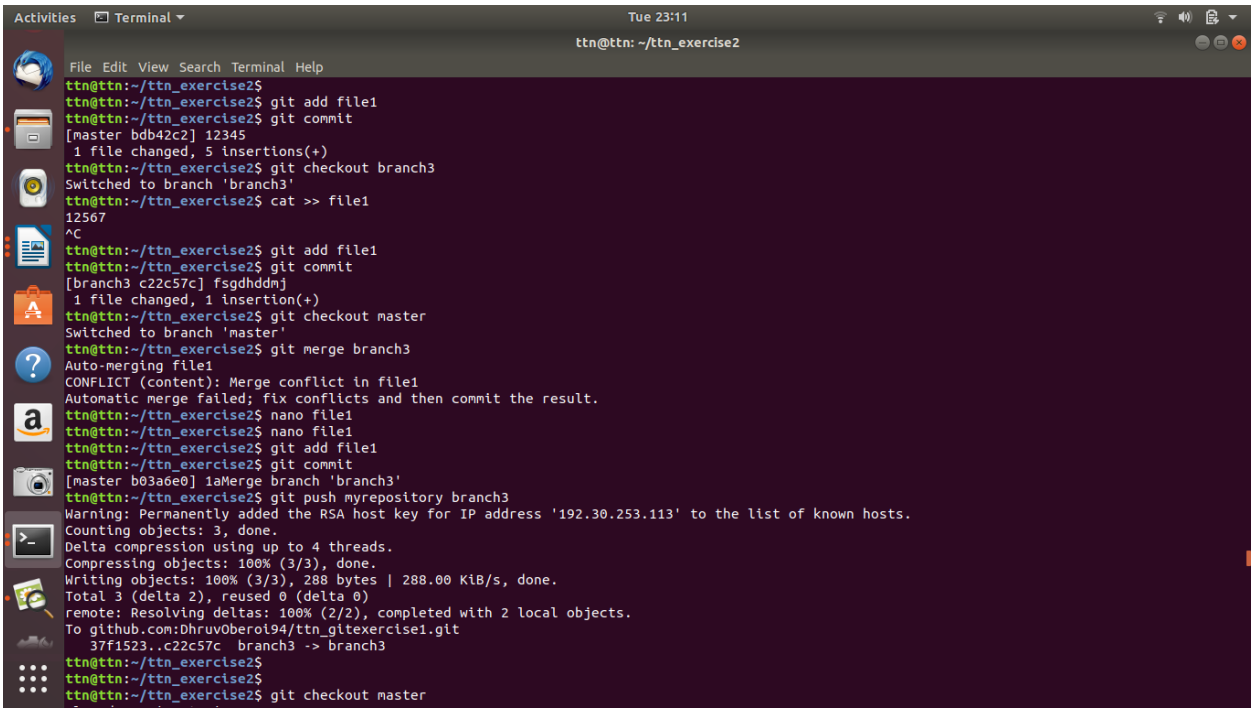
Q14, 15, 16.

Diverge them with commits

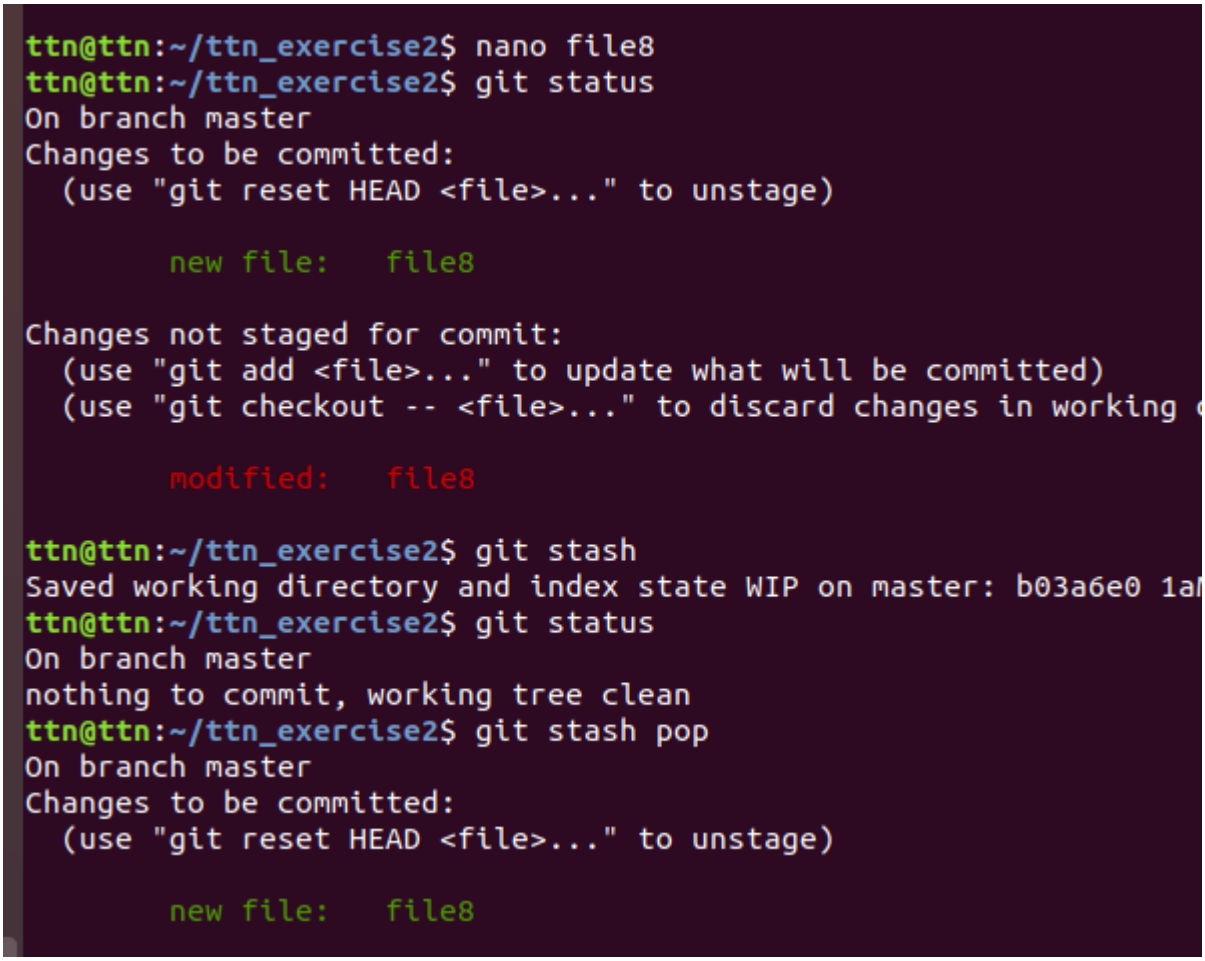
Edit the same file at the same line on both branches and commit

Try merge and resolve merge conflicts

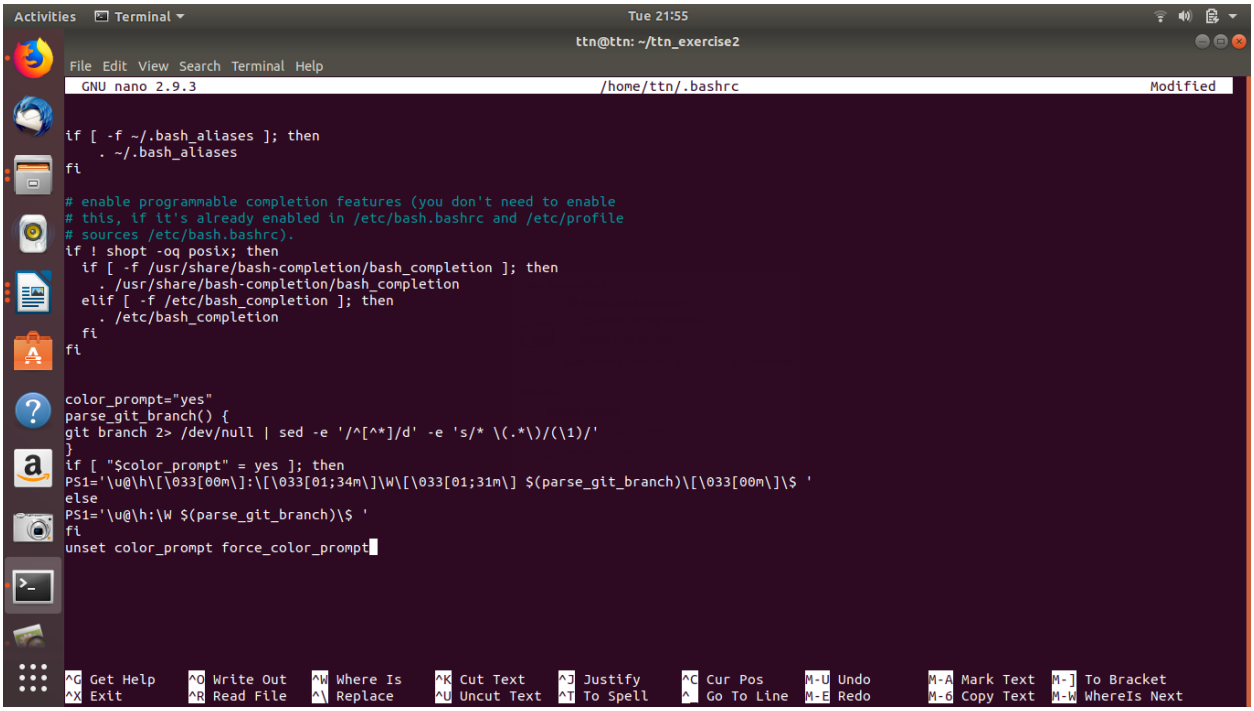


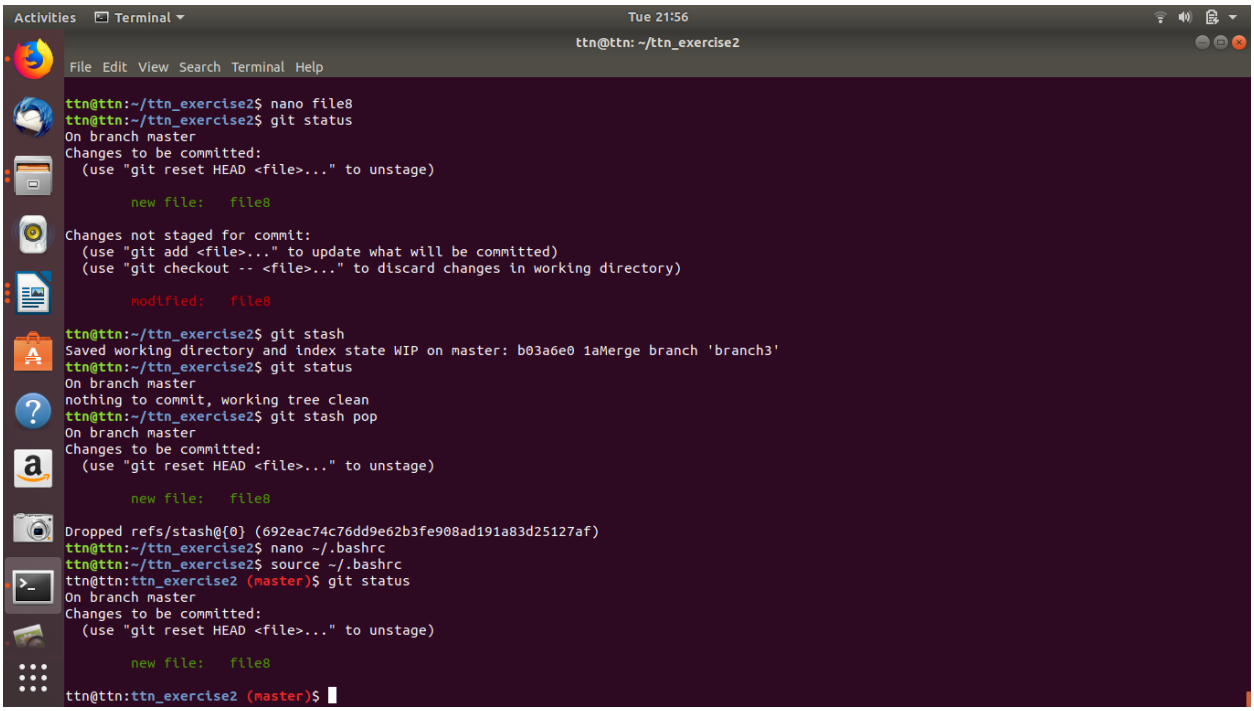


Q17. Stash the changes and pop them



1. Q18. 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




Activities
Terminal
Tue 21:56
ttn@ttn: ~/ttn_exercise2
File Edit View Search Terminal Help
ttn@ttn:~/ttn_exercise2$ nano file8
ttn@ttn:~/ttn_exercise2$ git status
On branch master
Changes to be committed:
(use "git reset HEAD <file>..." to unstage)
new file: file8
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: file8
ttn@ttn:~/ttn_exercise2$ git stash
Saved working directory and index state WIP on master: b03a6e0 1aMerge branch 'branch3'
ttn@ttn:~/ttn_exercise2$ git status
On branch master
nothing to commit, working tree clean
ttn@ttn:~/ttn_exercise2$ git stash pop
On branch master
Changes to be committed:
(use "git reset HEAD <file>..." to unstage)
new file: file8
Dropped refs/stash@{0} (692eac74c76dd9e62b3fe908ad191a83d25127af)
ttn@ttn:~/ttn_exercise2$ nano ~/.bashrc
ttn@ttn:~/ttn_exercise2$ source ~/.bashrc
ttn@ttn:ttn_exercise2 (master)$ git status
On branch master
Changes to be committed:
(use "git reset HEAD <file>..." to unstage)
new file: file8
ttn@ttn:ttn_exercise2 (master)$