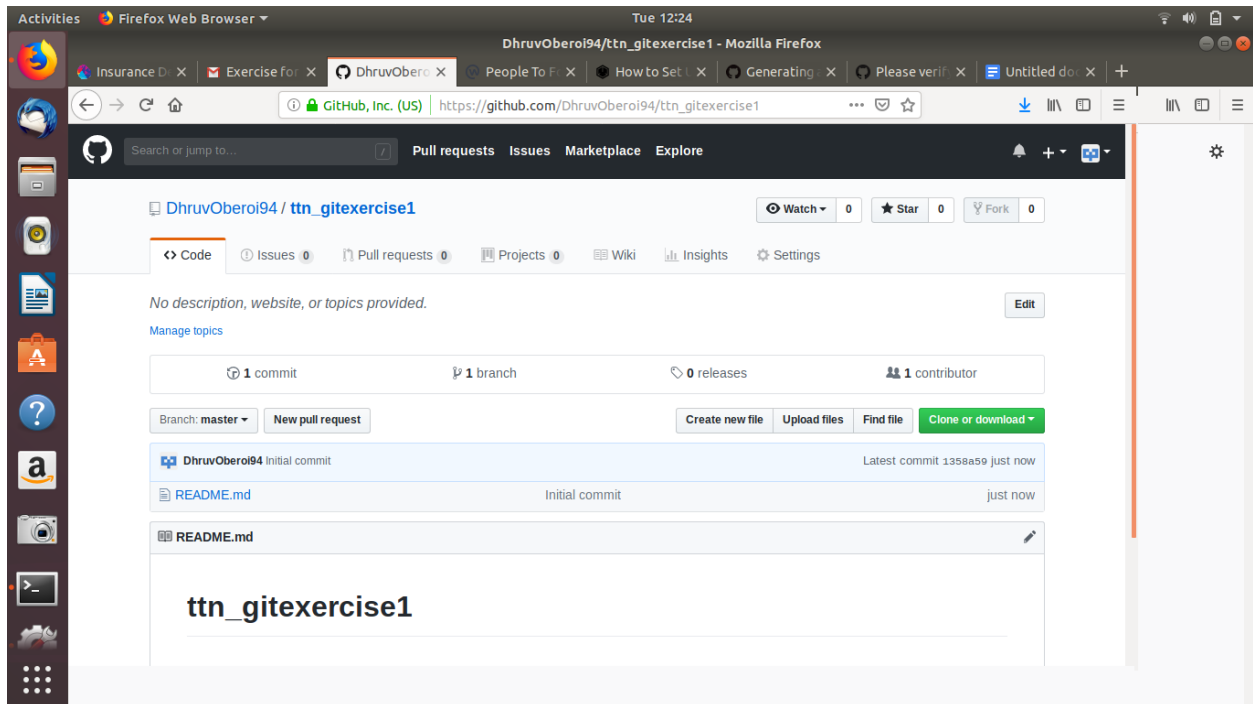
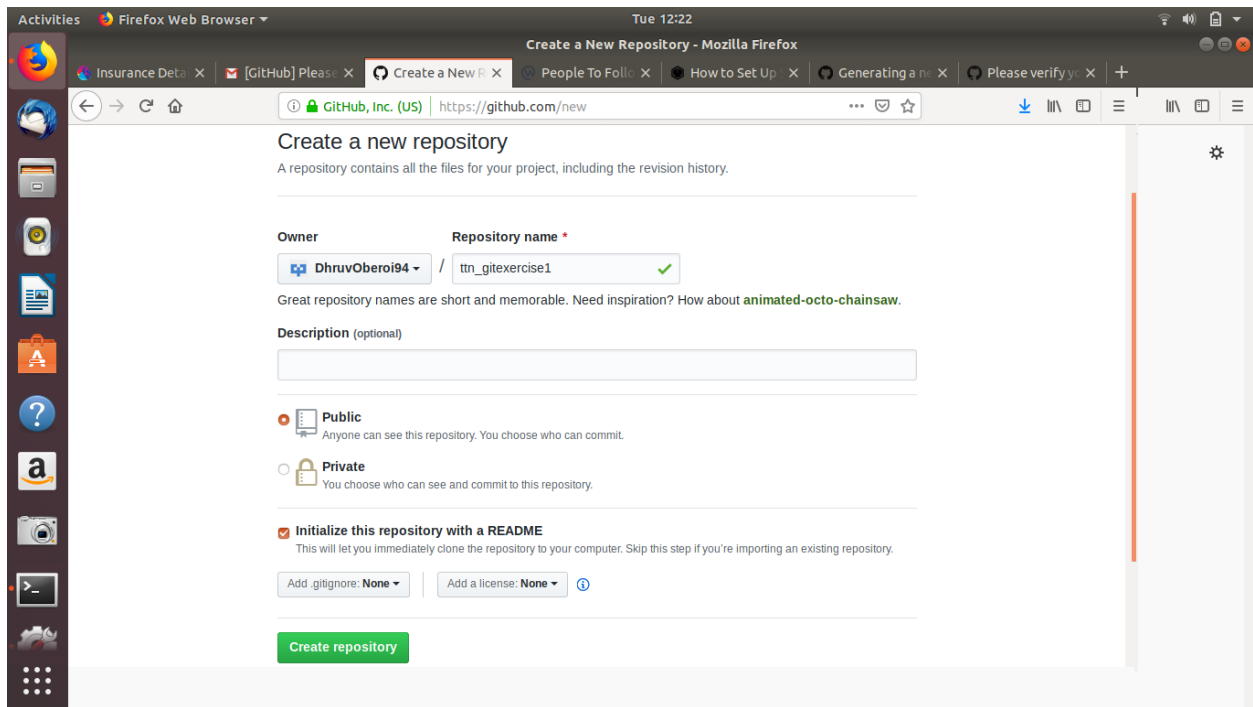


Q1. Git Setup



A screenshot of a Linux terminal window titled "Terminal". The user is logged in as "ttn" at host "ttn". The terminal shows the following commands and output:

```
ttn@ttn: ~/ttn_exercise2  
Setting up git (1:2.17.1-1ubuntu0.4) ...  
ttn@ttn:/etc$  
ttn@ttn:/etc$  
ttn@ttn:/etc$  
ttn@ttn:/etc$  
ttn@ttn:/etc$ cd ..  
ttn@ttn:$  
ttn@ttn:$  
ttn@ttn:$  
ttn@ttn:$  
ttn@ttn:$  
ttn@ttn:$  
ttn@ttn:$  
ttn@ttn:$  
ttn@ttn:$  
ttn@ttn:$  
ttn@ttn:$  
ttn@ttn:$ git config --global user.name DhruvOberoi94  
ttn@ttn:$ git config --global user.email dhruv.oberoi@tothenew.com  
ttn@ttn:$  
ttn@ttn:$  
ttn@ttn:$  
ttn@ttn:$ cd  
ttn@ttn:~/ttn_exercise2$ mkdir ttn_exercise2  
ttn@ttn:~/ttn_exercise2$ cd ttn_exercise2/  
ttn@ttn:~/ttn_exercise2$  
ttn@ttn:~/ttn_exercise2$ git init  
Initialized empty Git repository in /home/ttn/ttn_exercise2/.git/  
ttn@ttn:~/ttn_exercise2$ ls -la  
.   .. .git  
ttn@ttn:~/ttn_exercise2$ touch file1  
ttn@ttn:~/ttn_exercise2$ ls  
file1  
ttn@ttn:~/ttn_exercise2$ cat >> file1  
hi this is my file1  
^C  
ttn@ttn:~/ttn_exercise2$ cat file1  
hi this is my file1  
ttn@ttn:~/ttn_exercise2$ git status
```


The left sidebar of the terminal window displays various application icons, including the Dash icon, Home icon, Files icon, Firefox icon, LibreOffice Writer icon, LibreOffice Calc icon, LibreOffice Impress icon, LibreOffice Draw icon, LibreOffice Base icon, LibreOffice Database Wizard icon, LibreOffice Mail icon, LibreOffice Address Book icon, LibreOffice Gallery icon, LibreOffice Image Viewer icon, LibreOffice Print icon, LibreOffice Remote Application icon, LibreOffice Remote Desktop icon, LibreOffice Remote File Transfer icon, LibreOffice Remote Terminal icon, and a search icon.

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

```
Activities Terminal Tue 13:11
ttn@ttn: ~/ttn_exercise2

File Edit View Search Terminal Help
ttn@ttn:~/ttn_exercise2$ git status
On branch master

No commits yet

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

    file1

nothing added to commit but untracked files present (use "git add" to track)
ttn@ttn:~/ttn_exercise2$ git add file1
ttn@ttn:~/ttn_exercise2$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)

    new file:   file1

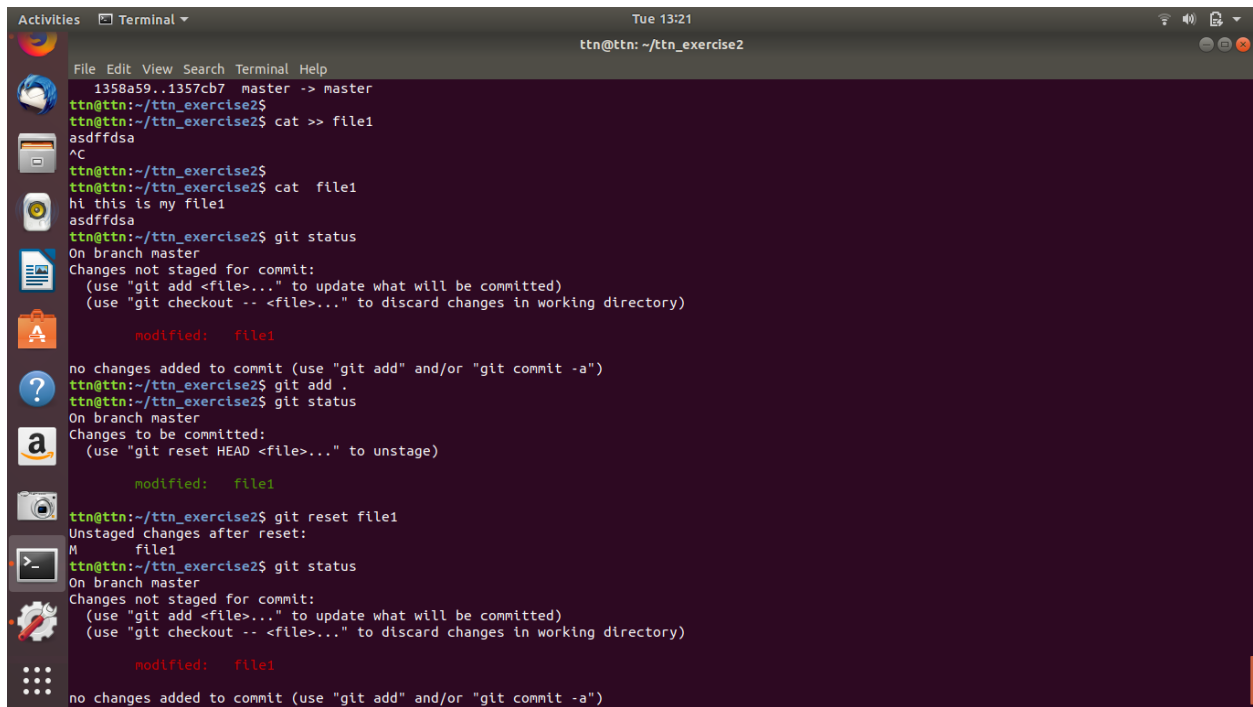
ttn@ttn:~/ttn_exercise2$ git commit
[master (root-commit) d823972] my first commit
 1 file changed, 1 insertion(+)
 create mode 100644 file1
ttn@ttn:~/ttn_exercise2$ git status
On branch master

nothing to commit, working tree clean
ttn@ttn:~/ttn_exercise2$ git remote add myrepository https://github.com/DhruvOberoia94/ttn_gitexercise1.git
ttn@ttn:~/ttn_exercise2$ git remote
myrepository
ttn@ttn:~/ttn_exercise2$ git push myrepository master
Username for 'https://github.com': DhruvOberoia94
Password for 'https://github.com': 
To https://github.com/DhruvOberoia94/ttn_gitexercise1.git
 ! [rejected]        master -> master (fetch first)
error: failed to push some refs to 'https://github.com/DhruvOberoia94/ttn_gitexercise1.git'

ttn@ttn:~/ttn_exercise2$ git pull myrepository master --allow-unrelated-histories
From https://github.com/DhruvOberoia94/ttn_gitexercise1
 * branch            master      -> FETCH_HEAD
Merge made by the 'recursive' strategy.
 README.md | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 README.md
ttn@ttn:~/ttn_exercise2$ git status
On branch master

nothing to commit, working tree clean
ttn@ttn:~/ttn_exercise2$ git push myrepository master
Username for 'https://github.com': DhruvOberoia94
Password for 'https://github.com': 
Counting objects: 5, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (5/5), 538 bytes | 538.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0)
To https://github.com/DhruvOberoia94/ttn_gitexercise1.git
 1358a59..1357cb7  master -> master
ttn@ttn:~/ttn_exercise2$
```

Q4. Unstage a file



```
1358a59..1357cb7 master -> master
ttn@ttn:~/ttn_exercise2$
ttn@ttn:~/ttn_exercise2$ cat >> file1
asdffdsa
^C
ttn@ttn:~/ttn_exercise2$
ttn@ttn:~/ttn_exercise2$ cat file1
hi this is my file1
asdffdsa
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

no changes added to commit (use "git add" and/or "git commit -a")
ttn@ttn:~/ttn_exercise2$ git add .
ttn@ttn:~/ttn_exercise2$ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

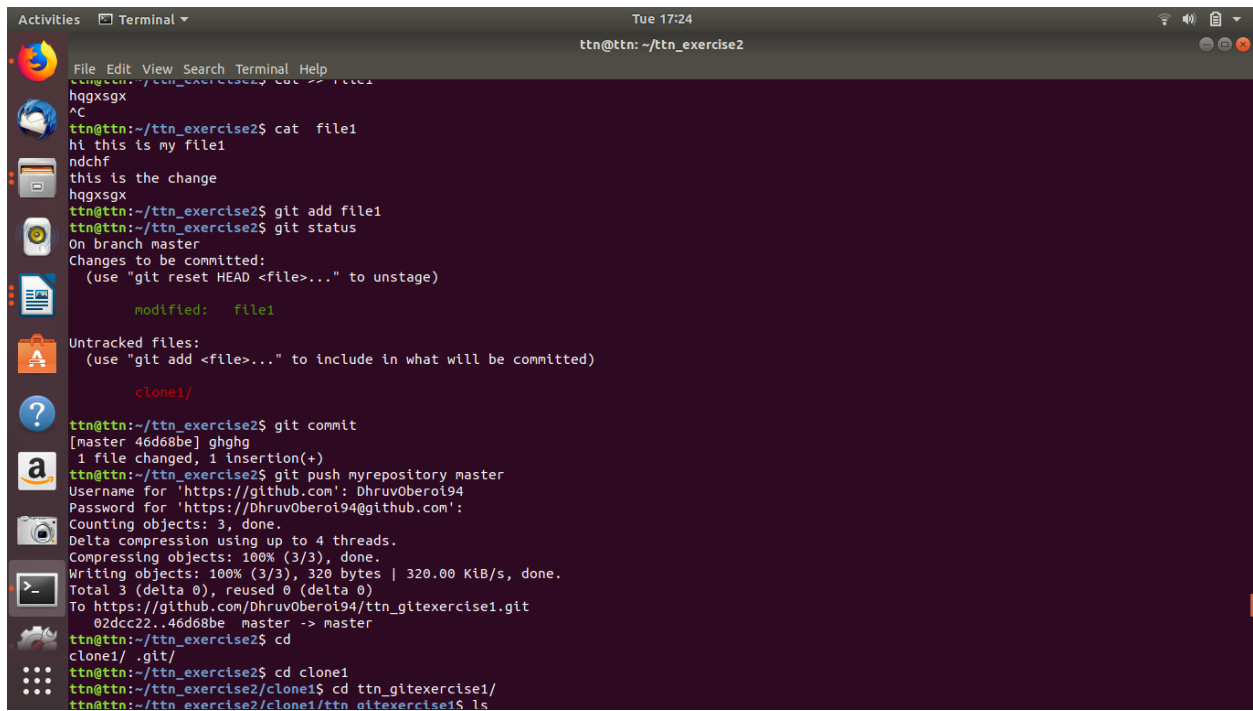
        modified:   file1

ttn@ttn:~/ttn_exercise2$ git reset file1
Unstaged changes after reset:
M   file1
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

no changes added to commit (use "git add" and/or "git commit -a")
```

Q5. Commit the file

A terminal window titled 'Terminal' with a dark background and light text. The window shows a series of commands and their outputs. The user is in a directory named 'ttn_exercise2'. They first use 'cat file1' to view the contents of a file named 'file1', which contains the text 'hi this is my file1' followed by a newline and 'ndchf' followed by another newline and 'this is the change'. Then, they use 'git add file1' to stage the file. The output of 'git status' shows 'On branch master' and 'Changes to be committed: (use "git reset HEAD <file>..." to unstage) modified: file1'. Next, they use 'git commit' to commit the changes. The output shows '[master 46d68be] ghghg' and '1 file changed, 1 insertion(+)' followed by a prompt for a commit message. They then use 'git push myrepository master' to push the changes to a remote repository. The output shows the username 'Dhruv0beroi94', the password, and the progress of pushing the objects. Finally, they use 'cd clone1' to move to a subdirectory named 'clone1' and then 'cd ttn_gitexercise1' to move to a subdirectory named 'ttn_gitexercise1'.

```
ttn@ttn: ~/ttn_exercise2
ttn@ttn:~/ttn_exercise2$ cat file1
hi this is my file1
ndchf
this is the change
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': Dhruv0beroi94
Password for 'https://Dhruv0beroi94@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/Dhruv0beroi94/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
```

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 log
commit 2372ca35bd20435e8c9d93f1ae4896b394463ba7 (HEAD -> master, myrepository/master)
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

    Merge branch 'master' of https://github.com/DhruvOberoi94/ttn_gitexercise1

commit d82397203f87cf21f52756894b55afced2a798ce
Author: DhruvOberoi94 <dhruv.oberoi@tothenew.com>
Date: Tue Feb 5 12:28:01 2019 +0530

    my first commit

commit 1358a59035183c3508f2784cc2ead263fe4e74a6
Author: DhruvOberoi94 <47334112+DhruvOberoi94@users.noreply.github.com>
Date: Tue Feb 5 12:23:37 2019 +0530

    Initial commit

ttn@ttn:~/ttn_exercise2$ git status
On branch master
nothing to commit, working tree clean
ttn@ttn:~/ttn_exercise2$ cat>> file1
myfile
^C
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

ttn@ttn:~/ttn_exercise2$ git revert 2a0b3ecd60c9d72df9d699e1e351c3a20aa07704
[master 95c8dd7] 4 Revert "3"
 1 file changed, 1 deletion(-)
ttn@ttn:~/ttn_exercise2$ cat file1
hi this is my file1
ndchf
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), 322 bytes | 322.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/DhruvOberoi94/ttn_gitexercise1.git
  2a0b3ec..95c8dd7 master -> master
ttn@ttn:~/ttn_exercise2$ mkdir clone1
ttn@ttn:~/ttn_exercise2$ cd clone1/
```

```
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': DhruvObero194
Password for 'https://DhruvObero194@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/DhruvObero194/ttn_gltexercise1.git
   2372ca3..2a0b3ec master -> master
ttn@ttn:~/ttn_exercise2$ git log
commit 2a0b3ecd60c9d72df9d699e1e351c3a20aa07704 (HEAD -> master, myrepository/master)
Author: DhruvObero194 <dhruv.oberoi@tothenew.com>
Date:   Tue Feb 5 14:46:02 2019 +0530

    3

commit 2372ca35bd20435e8c9d93f1ae4896b394463ba7
Author: DhruvObero194 <dhruv.oberoi@tothenew.com>
Date:   Tue Feb 5 14:07:40 2019 +0530

    commit2

commit 1357cb7ab53d720a14ae9ebd97657761e39cb074
Merge: d823972 1358a59
Author: DhruvObero194 <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/Dhruv0beroi94/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
hgxsgx
^C
ttn@ttn:~/ttn_exercise2$ cat file1
hi this is my file1
ndchf
this is the change
hgxsgx
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': Dhruv0beroi94
Password for 'https://Dhruv0beroi94@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/Dhruv0beroi94/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
 6111111
```

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

[illegible]

```
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)

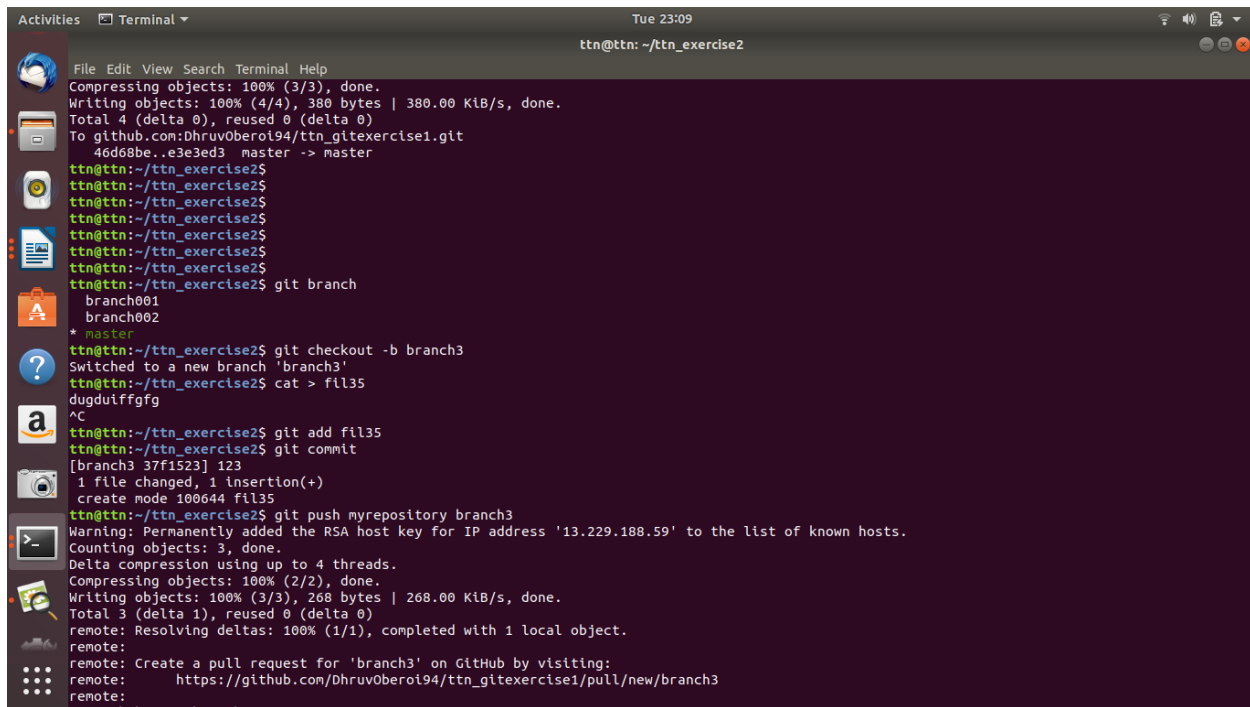
    modified:   .gitignore

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.



```
Activities Terminal Tue 23:09 ttn@ttn: ~/ttn_exercise2
File Edit View Search Terminal Help
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$
ttn@ttn:~/ttn_exercise2$
ttn@ttn:~/ttn_exercise2$
ttn@ttn:~/ttn_exercise2$
ttn@ttn:~/ttn_exercise2$
ttn@ttn:~/ttn_exercise2$
ttn@ttn:~/ttn_exercise2$ git branch
branch001
branch002
* master
ttn@ttn:~/ttn_exercise2$ git checkout -b branch3
Switched to a new branch 'branch3'
ttn@ttn:~/ttn_exercise2$ cat > fil35
dugduiffgfg
^C
ttn@ttn:~/ttn_exercise2$ git add fil35
ttn@ttn:~/ttn_exercise2$ git commit
[branch3 37f1523] 123
1 file changed, 1 insertion(+)
create mode 100644 fil35
ttn@ttn:~/ttn_exercise2$ git push myrepository branch3
Warning: Permanently added the RSA host key for IP address '13.229.188.59' to the list of known hosts.
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 268 bytes | 268.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'branch3' on GitHub by visiting:
remote:   https://github.com/DhruvOberoi94/ttn_gitexercise1/pull/new/branch3
remote:
```

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

```
Activities Terminal Tue 23:10 ttn@ttn: ~/ttn_exercise2
File Edit View Search Terminal Help
^C
ttn@ttn:~/ttn_exercise2$ git add file1
ttn@ttn:~/ttn_exercise2$ git checkout branch3
M
file1
Switched to branch 'branch3'
ttn@ttn:~/ttn_exercise2$ cat >> file1
1133
^C
ttn@ttn:~/ttn_exercise2$ git add file1
ttn@ttn:~/ttn_exercise2$ git push myrepository branch3
Everything up-to-date
ttn@ttn:~/ttn_exercise2$ git checkout master
M
file1
Switched to branch 'master'
ttn@ttn:~/ttn_exercise2$ cat >> file1
12567
^C
ttn@ttn:~/ttn_exercise2$
ttn@ttn:~/ttn_exercise2$ git add file1
ttn@ttn:~/ttn_exercise2$ git commit
[master bdb42c2] 12345
1 file changed, 5 insertions(+)
ttn@ttn:~/ttn_exercise2$ git checkout branch3
Switched to branch 'branch3'
ttn@ttn:~/ttn_exercise2$ cat >> file1
12567
^C
ttn@ttn:~/ttn_exercise2$ git add file1
ttn@ttn:~/ttn_exercise2$ git commit
[branch3 c22c57c] fsgdhdndj
1 file changed, 1 insertion(+)
ttn@ttn:~/ttn_exercise2$ git checkout master
Switched to branch 'master'
ttn@ttn:~/ttn_exercise2$ git merge branch3
Auto-merging file1
CONFLICT (content): Merge conflict in file1
Automatic merge failed; fix conflicts and then commit the result.
ttn@ttn:~/ttn_exercise2$ nano file1
```

```
Activities Terminal Tue 23:11 ttn@ttn: ~/ttn_exercise2
File Edit View Search Terminal Help
ttn@ttn:~/ttn_exercise2$
ttn@ttn:~/ttn_exercise2$ git add file1
ttn@ttn:~/ttn_exercise2$ git commit
[master bdb42c2] 12345
1 file changed, 5 insertions(+)
ttn@ttn:~/ttn_exercise2$ git checkout branch3
Switched to branch 'branch3'
ttn@ttn:~/ttn_exercise2$ cat >> file1
12567
^C
ttn@ttn:~/ttn_exercise2$ git add file1
ttn@ttn:~/ttn_exercise2$ git commit
[branch3 c22c57c] fsgdhdndj
1 file changed, 1 insertion(+)
ttn@ttn:~/ttn_exercise2$ git checkout master
Switched to branch 'master'
ttn@ttn:~/ttn_exercise2$ git merge branch3
Auto-merging file1
CONFLICT (content): Merge conflict in file1
Automatic merge failed; fix conflicts and then commit the result.
ttn@ttn:~/ttn_exercise2$ nano file1
ttn@ttn:~/ttn_exercise2$ nano file1
ttn@ttn:~/ttn_exercise2$ git add file1
ttn@ttn:~/ttn_exercise2$ git commit
[master b03a6e0] 1aMerge branch 'branch3'
ttn@ttn:~/ttn_exercise2$ git push myrepository branch3
Warning: Permanently added the RSA host key for IP address '192.30.253.113' to the list of known hosts.
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 288 bytes | 288.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To github.com:DhruvOberoi94/ttn_gltexercise1.git
37f1523..c22c57c branch3 -> branch3
ttn@ttn:~/ttn_exercise2$
ttn@ttn:~/ttn_exercise2$
ttn@ttn:~/ttn_exercise2$ git checkout master
```

Q17. Stash the changes and pop them

```
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

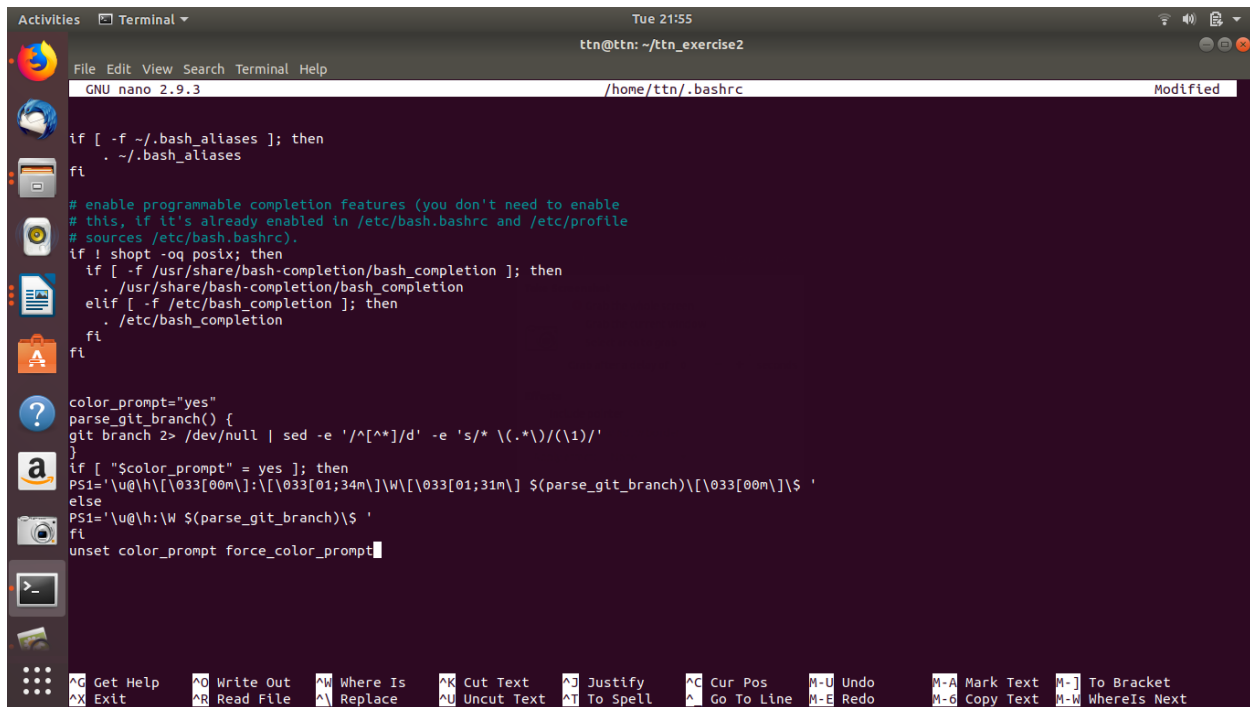
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

    modified:   file8

ttn@ttn:~/ttn_exercise2$ git stash
Saved working directory and index state WIP on master: b03a6e0 1a
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
```

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



The screenshot shows a terminal window titled "Terminal" with the file "/home/ttn/.bashrc" open in the nano editor. The editor's status bar indicates "GNU nano 2.9.3" and "Modified". The code being added to the file is as follows:

```
if [ -f ~/.bash_aliases ]; then
    . ~/.bash_aliases
fi

# enable programmable completion features (you don't need to enable
# this, if it's already enabled in /etc/bash.bashrc and /etc/profile
# sources /etc/bash.bashrc).
if ! shopt -oq posix; then
    if [ -f /usr/share/bash-completion/bash_completion ]; then
        . /usr/share/bash-completion/bash_completion
    elif [ -f /etc/bash_completion ]; then
        . /etc/bash_completion
    fi
fi

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
```

The terminal window also shows a menu bar at the bottom with various keyboard shortcuts for nano editor operations.

