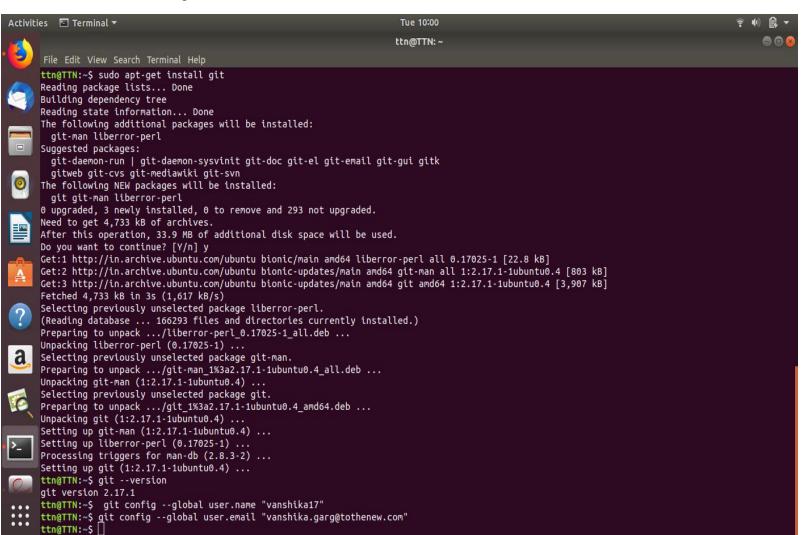
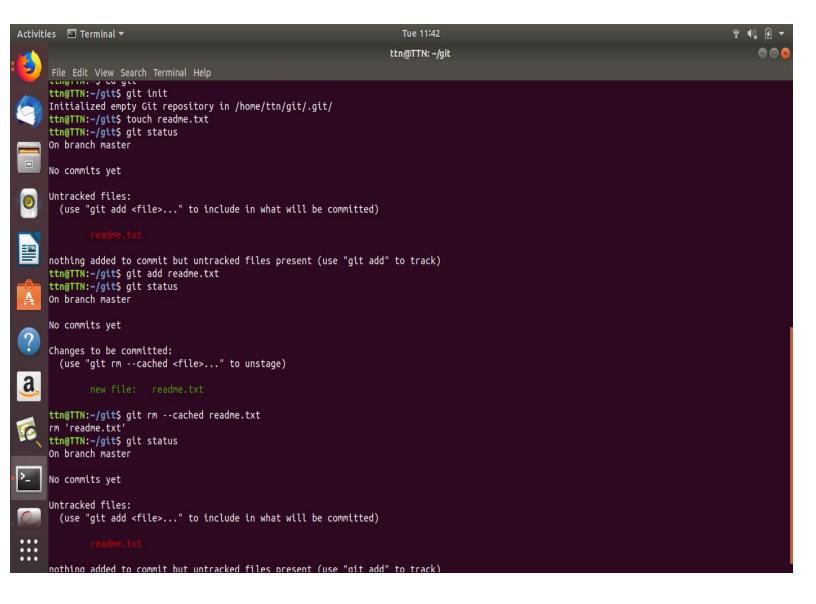
Assessment - 2

1. Git Setup



- 2. Initialize a Git Repository
- 3. Add files to the repository
- 4. Unstage 1 file



5.Commit a file

```
Activities Terminal Tue 11:54

ttn@TTN: ~/git

File Edit View Search Terminal Help

ttn@TTN:~$ git commit
fatal: not a git repository (or any of the parent directories): .git
ttn@TTN:~$ cd git
ttn@TTN:~$ git$ git commit
Aborting commit due to empty commit message.
ttn@TTN:~/git$ git commit

[master (root-commit) 9601376] Initial commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 readme.txt
```

6.Ad a remote

```
Activities Terminal Tue 12:39

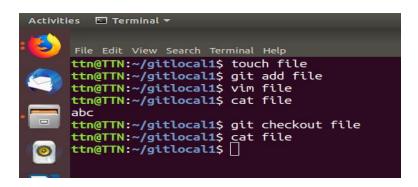
ttn@TTN: ~/git

File Edit View Search Terminal Help

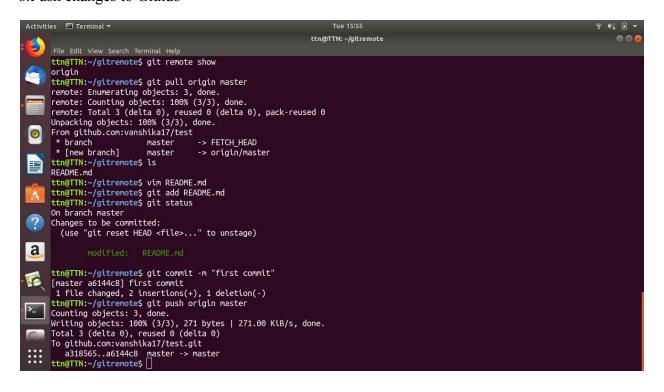
ttn@TTN:~$ cd git
ttn@TTN:~$ cd git
clone git@github.com:vanshika17/ttn.git
Cloning into 'ttn'...

The authenticity of host 'github.com (192.30.253.113)' can't be established.
RSA key fingerprint is SHA256:nThbg6kXUpJWG17E1IGOCspRomTxdCARLviKw6E5SY8.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'github.com,192.30.253.113' (RSA) to the list of known hosts.
warning: You appear to have cloned an empty repository.
ttn@TTN:~/git$ cd ttn/
ttn@TTN:~/git$ git remote add origin git@github.com:vanshika17/ttn.git
ttn@TTN:~/git$ git remote add origin git@github.com:vanshika17/ttn.git
```

7. Undo changes to a file



8. Push changes to Github



9. Clone the repository

```
Activities Terminal Tue 15:57

ttn@TTN: ~/gitremote

File Edit View Search Terminal Help

ttn@TTN: ~/gitlocal1$ git clone git@github.com:vanshika17/test.git

Cloning into 'test'...

remote: Enumerating objects: 3, done.

remote: Counting objects: 100% (3/3), done.

remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0

Receiving objects: 100% (3/3), done.
```

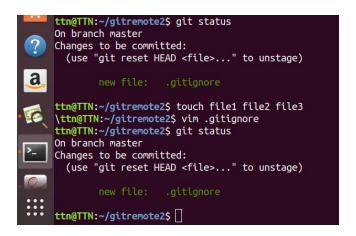
10. Add changes to one of the copies and pull the changes in the other.



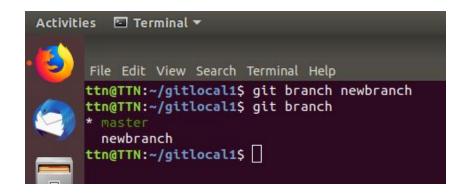
11. Check differences between a file and its staged version

```
ttn@TTN:~/gitlocal1$ cat file1
abc
123
ttn@TTN:~/gitlocal1$ echo "vanshika">file1
ttn@TTN:~/gitlocal1$ git diff --staged
ttn@TTN:~/gitlocal1$ git diff
diff --git a/file1 b/file1
index 298f44a..814a78b 100644
--- a/file1
+++ b/file1
00 -1,2 +1 00
-abc
-123
+vanshika
ttn@TTN:~/gitlocal1$
```

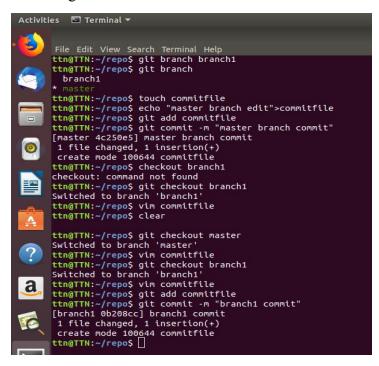
12. Ignore a few files to be checked in



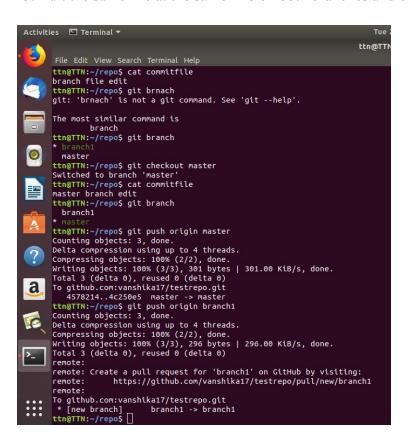
13. Create a new branch



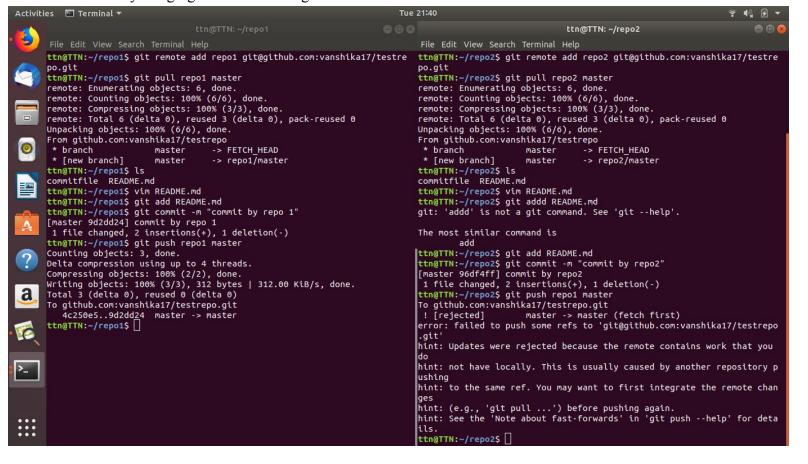
14. Diverge them with commits



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



16. Try merging and resolve merge conflicts



17. Stash the changes and pop them

```
Activities □ Terminal ▼
                                                                            Tue 22:02
                                                                        ttn@TTN: ~/repo1
      File Edit View Search Terminal Help
      ttn@TTN:~/repo1$ git status
      On branch master
      Changes to be committed:
        (use "git reset HEAD <file>..." to unstage)
      Untracked files:
        (use "git add <file>..." to include in what will be committed)
      ttn@TTN:~/repo1$ git stash
      Saved working directory and index state WIP on master: 9d2dd24 commit by repo 1
      ttn@TTN:~/repo1$ git status
      On branch master
      Untracked files:
        (use "git add <file>..." to include in what will be committed)
      nothing added to commit but untracked files present (use "git add" to track)
      ttn@TTN:~/repo1$ git stash -u
      Saved working directory and index state WIP on master: 9d2dd24 commit by repo 1
      ttn@TTN:~/repo1$ git status
      On branch master
      nothing to commit, working tree clean
      ttn@TTN:~/repo1$ git stash pop
      Already up to date!
      On branch master
      Untracked files:
        (use "git add <file>..." to include in what will be committed)
     nothing added to commit but untracked files present (use "git add" to track)
      Dropped refs/stash@{0} (16dc1ab11dbef0b23aa2ca4d34f38b4eff2a1658)
      ttn@TTN:~/repo1$ git stash pop
```

18.Add the following code to your .bashrc file : color prompt="yes"

```
parse_git_branch() { git branch 2 > /\text{dev/null} \mid \text{sed -e '}/^[^*]/\text{d' -e 's/* }(.*\)/(\1)/' } if [ "$color prompt" = yes ]; then
```

```
Activities Terminal T
```