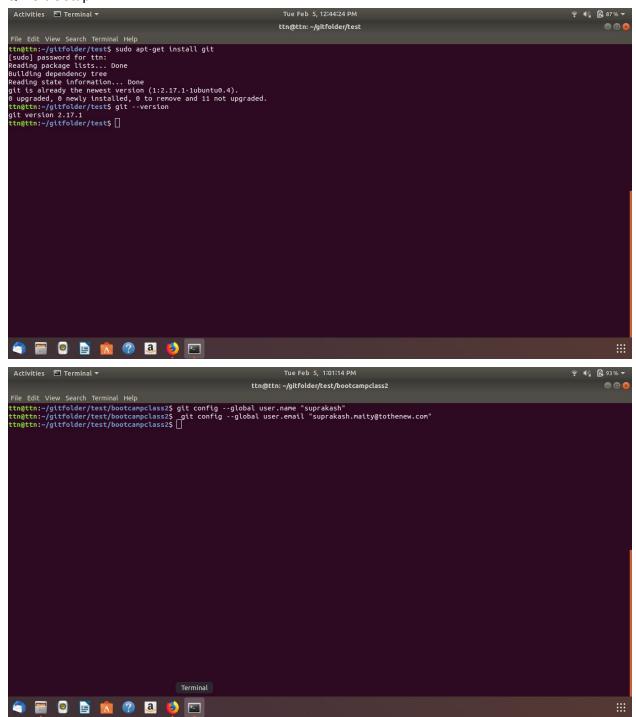
### **ASSIGNMENT 2**

## Q1.Git Setup



Q2.Initialize a Git Repository

```
Activities Terminal Telepotecamp

File Edit View Search Terminal Help

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intialized empty Git repository in /home/ttn/gitbootcamp/.git/

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in /home/ttn/gitbootcamp/.git/

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intialized empty Git repository

in /home/ttn/gitbootcamp/.git/

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```

# Q3.Add files to the repository

```
True Feb 5, 127:56 PM

ttn@ttn:-/gitbootcamp

ttn@ttn:-5 nkdir gitbootcamp

ttngttn:-5 nkdir gitbootcamp

ttngttn:-5 cc //gitbootcamp

ttngttn:-5 cc //gitbootcamp

ttngttn:-5 git add r.txt

ttngttn:-/gitbootcamp5 touch r.txt

ttngttn:-/gitbootcamp5 ll

ttngttn:-/gitbootcamp6 ll

ttngttn:-/
```

Q4.Unstage 1 file

```
Activities ☑ Terminal ▼
                                                                                                                                                 Tue Feb 5, 1:31:10 PM
                                                                                                                                                                                                                                                                                                           ttn@ttn: ~/gitbootcamp
                                                                                                                                                                                                                                                                                                                          00
  File Edit View Search Terminal Help
File Edit View Search Terminal Help

ttn@ttn:-/gitbootcamp$ git reset HEAD r.txt
fatal: ambiguous argument 'HEAD': unknown revision or path not in the working tree.

Use '--' to separate paths from revisions, like this:
'git <command> [<revrision>...] -- [<file>...]'

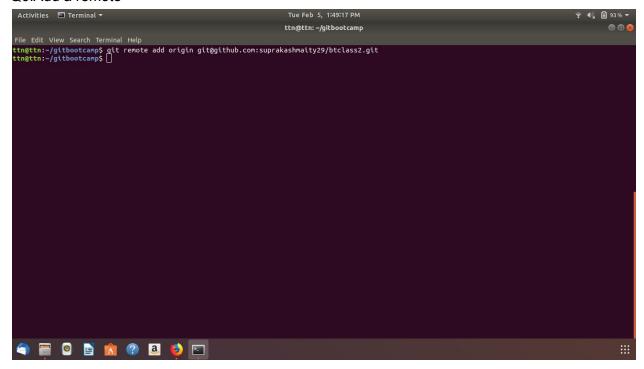
ttn@ttn:-/gitbootcamp$ git reset HEAD --r.txt

error: unknown option 'r.txt'
usage: git reset [--mixed | --soft | --hard | --merge | --keep] [-q] [<commit>]

or: git reset [-q] [<tree-ish>] [--] | <paths>...]
                                                       be quiet, only report errors
reset HEAD and index
reset only HEAD
reset HEAD, index and working tree
reset HEAD, index and working tree
reset HEAD but keep local changes
       -q, --quiet
--mixed
--soft
--hard
        --merge
--keep
        --recurse-submodules[=<reset>]
-recurse-submodules[=<reset>]
-p, --patch
-p, --patch
-n, --intent-to-add record only the fact that removed paths will be added later
ttn@ttn:~/gitbootcamp$ git reset HEAD -- r.txt
ttn@ttn:~/gitbootcamp$ git status
On branch master
No commits vet
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:~/gitbootcamp$
```

Q5.Commit the file

#### Q6.Add a remote



Q7.Undo changes to a particular file

```
Activities Terminal * Tue Feb 5, 3:53:15 PM 
ttn@ttn:-/gitbootcamp

File Edit View Search Terminal Help

Ttn@ttn:-/gitbootcamp$ git status
On branch master
Intelligitation Committies
On branch master
On branch master
Changes not staged for commit:
(use "git add fefle»..." to update what will be committed)
(use "git checkout -- <file»..." to discard changes in working directory)

modified: r.txt

Tue Feb 5, 3:53:15 PM

ttn@ttn:-/gitbootcamp$ git status
On branch master

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

modified: r.txt

Tue Feb 5, 3:53:15 PM

ttn@ttn:-/gitbootcamp$ git status
On branch master

Changes not staged for commit:

Cha
```

## Q8. Push changes to Github

```
Activities Terminal * Tue Feb 5, 15402 PM tin@thm:-/gitbootcamp

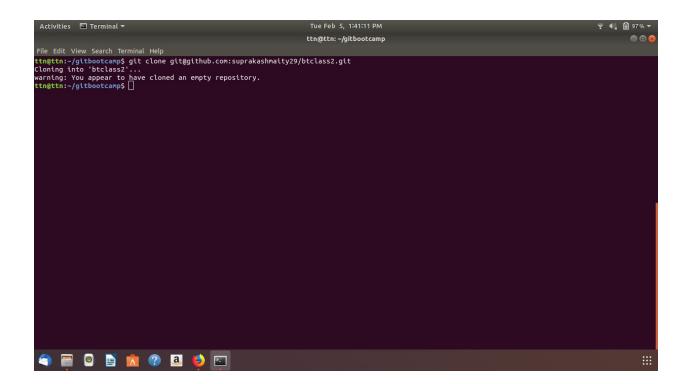
File Edit View Search Terminal Help

tingthm:-/gitbootcanpS git remote add origin git@github.com:suprakashmaity29/btclass2.git
tingthm:-/gitbootcanpS git remote -V
origin git@github.com:suprakashmaity29/btclass2.git (fetch)
origin git@github.com:suprakashmaity29/btclass2.git (push)
tingthm:-/gitbootcanpS git push origin master

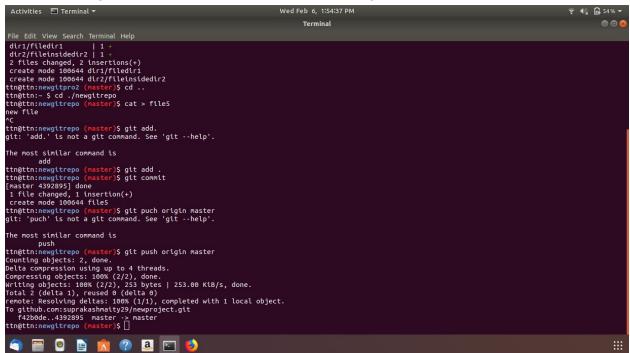
Courting gitgithub.cangs (git push origin master

Courting gitgithub.com:suprakashmaity29/btclass2.git
*Total 3 (gelte 0), reused) 2(git pash)
Total 3 (gelte 0), reused) 2(git pash)
*Total 3 (gelte 0), reused)
*Total 4 (gelte 0), reused)
*Total 5 (gelte 0), reused)
*Total 6 (gel
```

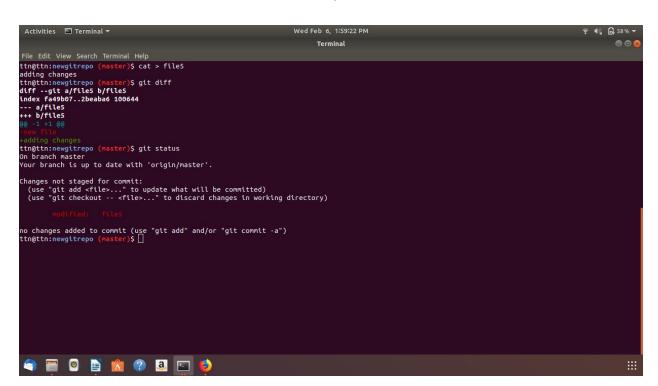
Q9.Clone the repository



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

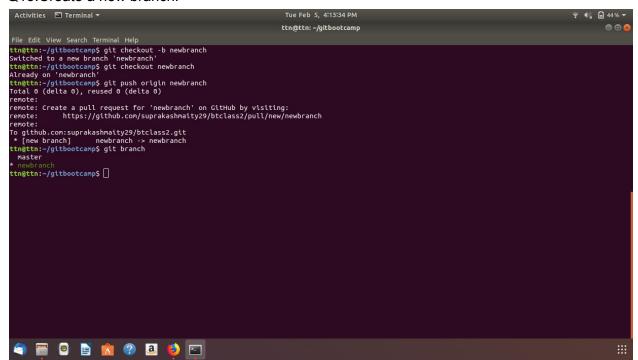


Q11. Check differences between a file and its staged version



Q12.Ignore a few files to be checked in

#### Q13.Create a new branch.



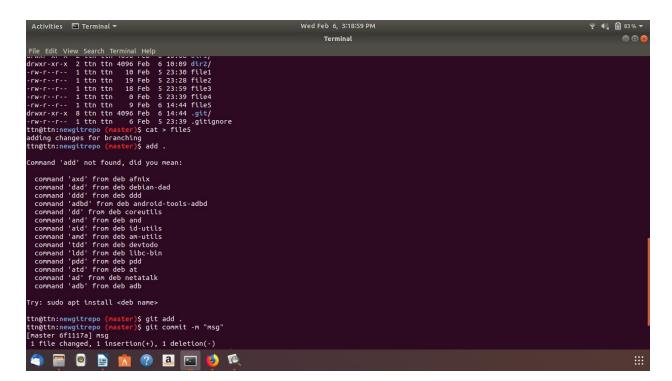
Q14.Diverge them with commits

```
Activities Terminal **

Wed Feb 6, 247:14 PM

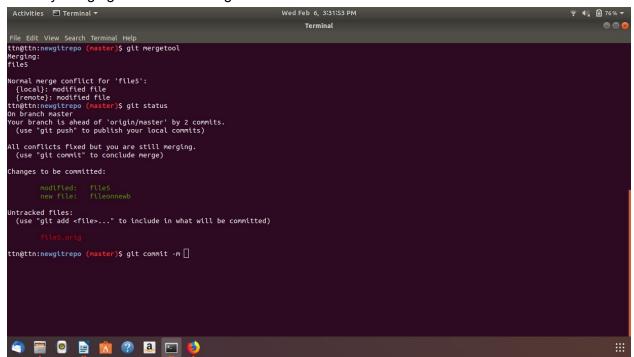
Terminal

Terminal
```



Q15.Edit the same file at the same line on both branches and commit

## Q16. Try merging and resolve merge conflicts



Q17.Stash the changes and pop them

```
Activities Terminal * Wed Feb 6, 338:SI PM

Terminal

Terminal

Changes to be comnitted:
(use "git reset HEAD <file>..." to unstage)

New file: fileS.orig
N
```

```
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 <math display="block"> PS1=\u@\h:\W $(parse_git_branch)\$' fi unset color_prompt force_color_prompt $ \end{tabular}
```

