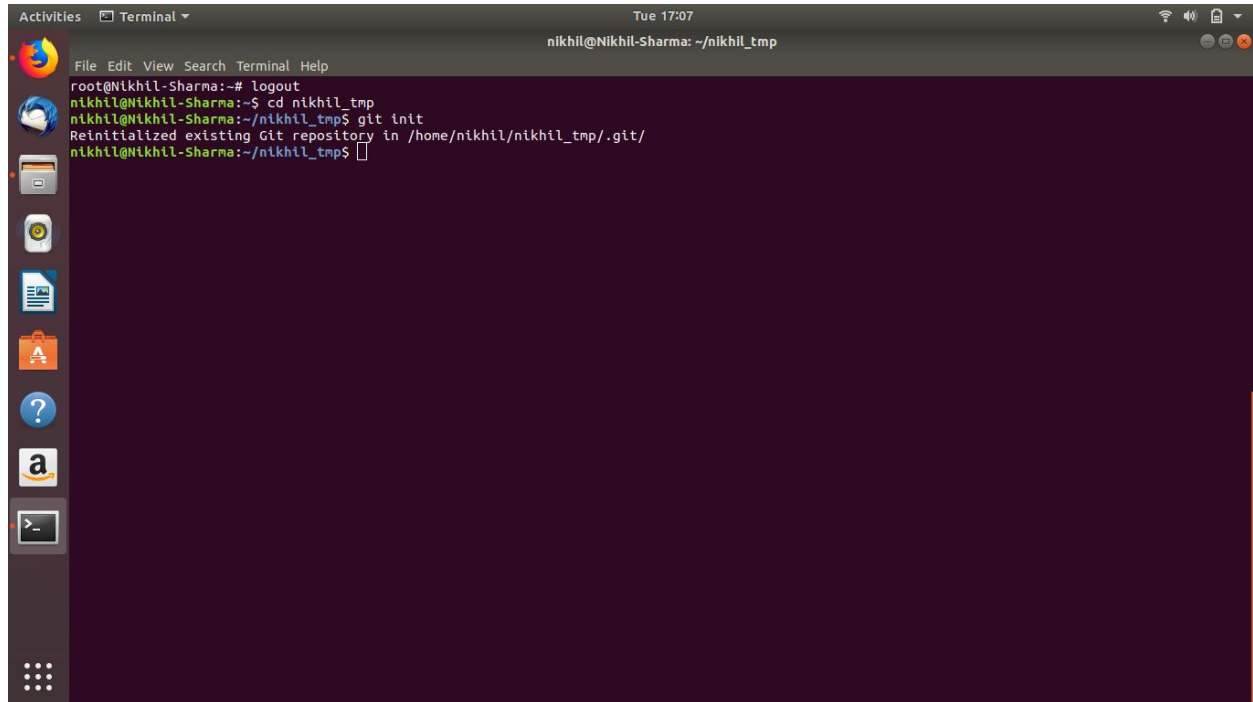


Q1. Git Setup <https://confluence.atlassian.com/bitbucket/set-up-git-744723531.html>

Ans. apt-get install git

Q2. Initialize a Git Repository

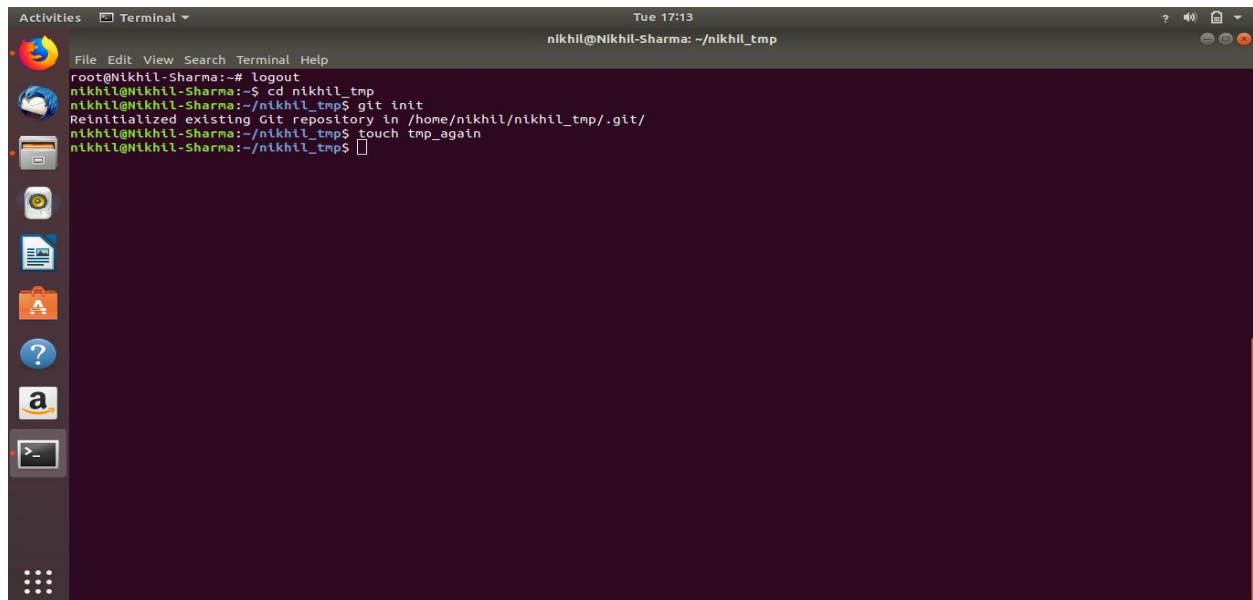
Ans. git init

A terminal window titled 'Terminal' with a dark purple background. The window shows a sequence of commands and their outputs. The user is logged in as 'root@Nikhil-Sharma' and has executed 'logout'. Then, they switch to the user 'nikhil@Nikhil-Sharma' and run 'cd nikhil_tmp'. Next, they run 'git init', which outputs 'Reinitialized existing Git repository in /home/nikhil/nikhil_tmp/.git/'. The terminal window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The status bar at the top right shows 'Tue 17:07' and the user's name 'nikhil@Nikhil-Sharma: ~/nikhil_tmp'. On the left side of the terminal, there is a vertical dock with various application icons including Firefox, a file manager, and others.

```
root@Nikhil-Sharma:~# logout
nikhil@Nikhil-Sharma:~$ cd nikhil_tmp
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git init
Reinitialized existing Git repository in /home/nikhil/nikhil_tmp/.git/
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```

Q3. Add files to the repository

Ans. touch tmp_again

A terminal window titled 'Terminal' with a dark purple background. The window shows a sequence of commands and their outputs. The user is logged in as 'root@Nikhil-Sharma' and has executed 'logout'. Then, they switch to the user 'nikhil@Nikhil-Sharma' and run 'cd nikhil_tmp'. Next, they run 'git init', which outputs 'Reinitialized existing Git repository in /home/nikhil/nikhil_tmp/.git/'. Then, they run 'touch tmp_again'. The terminal window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The status bar at the top right shows 'Tue 17:13' and the user's name 'nikhil@Nikhil-Sharma: ~/nikhil_tmp'. On the left side of the terminal, there is a vertical dock with various application icons including Firefox, a file manager, and others.

```
root@Nikhil-Sharma:~# logout
nikhil@Nikhil-Sharma:~$ cd nikhil_tmp
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git init
Reinitialized existing Git repository in /home/nikhil/nikhil_tmp/.git/
nikhil@Nikhil-Sharma:~/nikhil_tmp$ touch tmp_again
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```

Q4.Unstage 1 file.

Ans. git reset tmp_again

```
Activities Terminal Tue 17:14
nikhil@Nikhil-Sharma: ~/nikhil_tmp

File Edit View Search Terminal Help

nikhil@Nikhil-Sharma:~/nikhil_tmp$ git init
Reinitialized existing Git repository in /home/nikhil/nikhil_tmp/.git/
nikhil@Nikhil-Sharma:~/nikhil_tmp$ touch tmp_again
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)

    tmp_again

nothing added to commit but untracked files present (use "git add" to track)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git reset tmp_again
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)

    tmp_again

nothing added to commit but untracked files present (use "git add" to track)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git add tmp_again
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

    new file:   tmp_again

nikhil@Nikhil-Sharma:~/nikhil_tmp$ git reset tmp_again
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)

    tmp_again

nothing added to commit but untracked files present (use "git add" to track)
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```

Q5.Commit the file

Ans. git commit -m "First Commit"

```
Activities Terminal Tue 17:17
nikhil@Nikhil-Sharma: ~/nikhil_tmp

File Edit View Search Terminal Help

nothing added to commit but untracked files present (use "git add" to track)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git reset tmp_again
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)

    tmp_again

nothing added to commit but untracked files present (use "git add" to track)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git add tmp_again
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

    new file:   tmp_again

nikhil@Nikhil-Sharma:~/nikhil_tmp$ git reset tmp_again
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)

    tmp_again

nothing added to commit but untracked files present (use "git add" to track)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git add tmp_again
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git add tmp_again
fatal: pathspec 'tmp' did not match any files
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git add tmp_again
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git commit -m "First commit"
[master 62bdcee] First commit
 1 file changed, 1 insertion(+)
 create mode 100644 tmp_again
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```

Q6.Add a remote

Ans. git remote add origin <https://github.com/nikstarlord/python.git>

```
Activities Terminal Tue 22:12
nikhil@Nikhil-Sharma: ~/nikhil_tmp

examples.desktop Public
nikhil@Nikhil-Sharma:~$ cd nikhil_tmp
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git init
Reinitialized existing Git repository in /home/nikhil/nikhil_tmp/.git/
nikhil@Nikhil-Sharma:~/nikhil_tmp$ clear

nikhil@Nikhil-Sharma:~/nikhil_tmp$ git remote add origin https://github.com/nikstarlord/python.git

Command 'git' not found, did you mean:

command 'gid' from deb id-utils
command 'git' from deb git
command 'gio' from deb libglib2.0-bin
command 'dir' from deb coreutils
command 'gri' from deb gri
command 'gip' from deb gip
command 'gpr' from deb gpr

Try: sudo apt install <deb name>

nikhil@Nikhil-Sharma:~/nikhil_tmp$ git remote add origin https://github.com/nikstarlord/python.git
nikhil@Nikhil-Sharma:~/nikhil_tmp$ vi tmp_again
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git add tmp_again
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git commit -m "second commit"
[master b5f762c] second commit
1 file changed, 1 insertion(+), 1 deletion(-)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git push -u origin master
Username for 'https://github.com': nikstarlord
Password for 'https://nikstarlord@github.com':
Counting objects: 15, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (8/8), done.
Writing objects: 100% (15/15), 1.15 KiB | 1.15 MiB/s, done.
Total 15 (delta 0), reused 0 (delta 0)
To https://github.com/nikstarlord/python.git
 * [new branch] master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```

Q7.Undo changes to a particular file

Ans. git checkout filename.

Q8.Push changes to Github

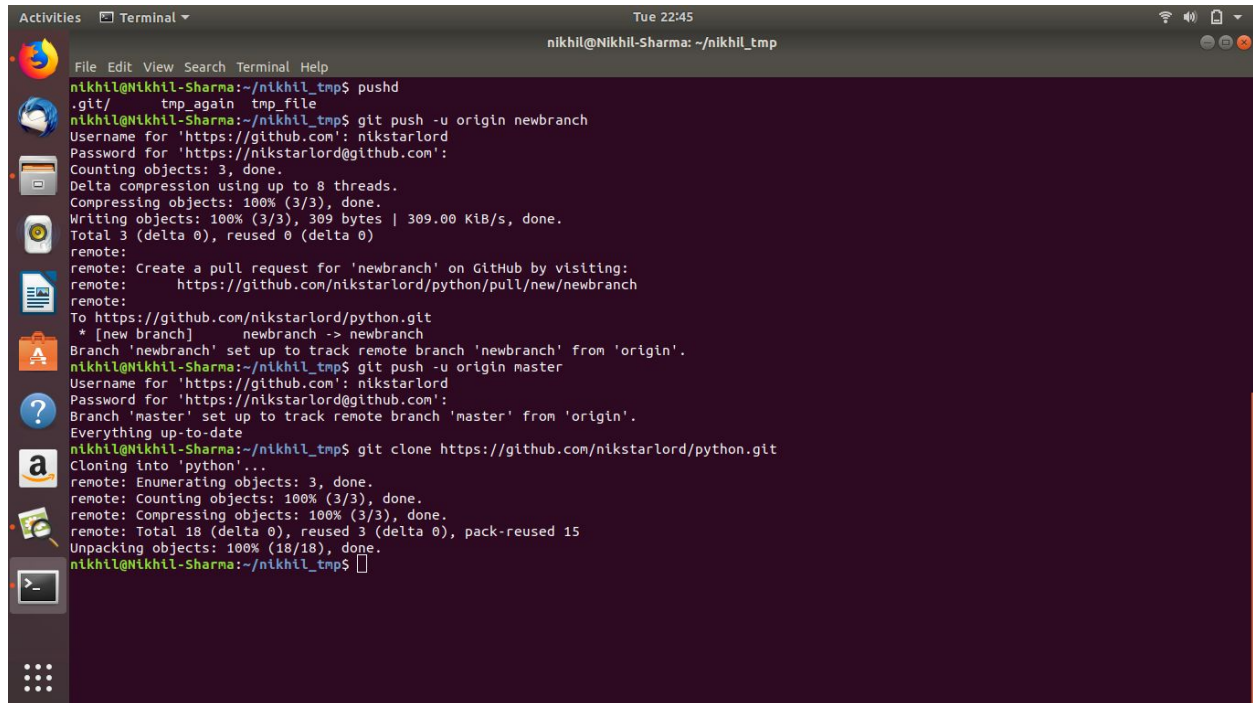
Ans. git push -u origin master

```
Activities Terminal Tue 22:35
nikhil@Nikhil-Sharma: ~/nikhil_tmp

nikhil@Nikhil-Sharma:~/nikhil_tmp$ pushd
.git/ tmp_again tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git push -u origin newbranch
Username for 'https://github.com': nikstarlord
Password for 'https://nikstarlord@github.com':
Counting objects: 3, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 309 bytes | 309.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'newbranch' on GitHub by visiting:
remote: https://github.com/nikstarlord/python/pull/new/newbranch
remote:
To https://github.com/nikstarlord/python.git
 * [new branch] newbranch -> newbranch
Branch 'newbranch' set up to track remote branch 'newbranch' from 'origin'.
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git push -u origin master
Username for 'https://github.com': nikstarlord
Password for 'https://nikstarlord@github.com':
Branch 'master' set up to track remote branch 'master' from 'origin'.
Everything up-to-date
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```

Q9.Clone the repository

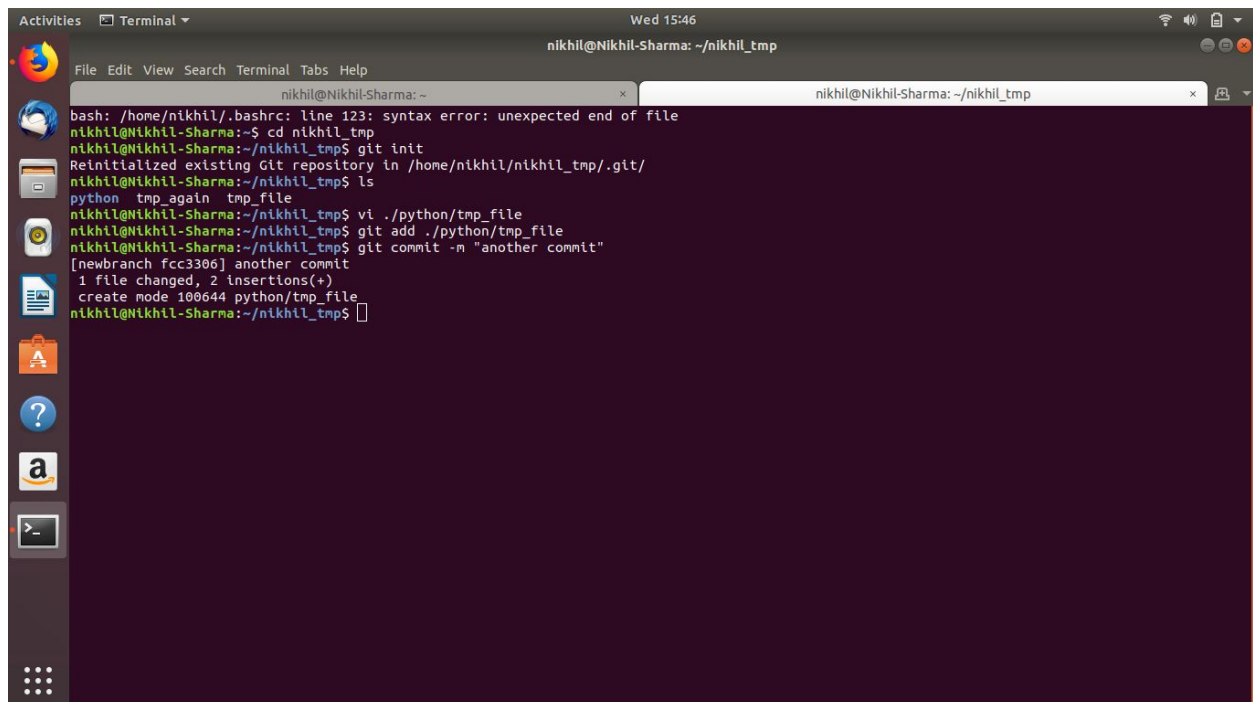
Ans.git clone <https://github.com/nikstarlord/python.git>



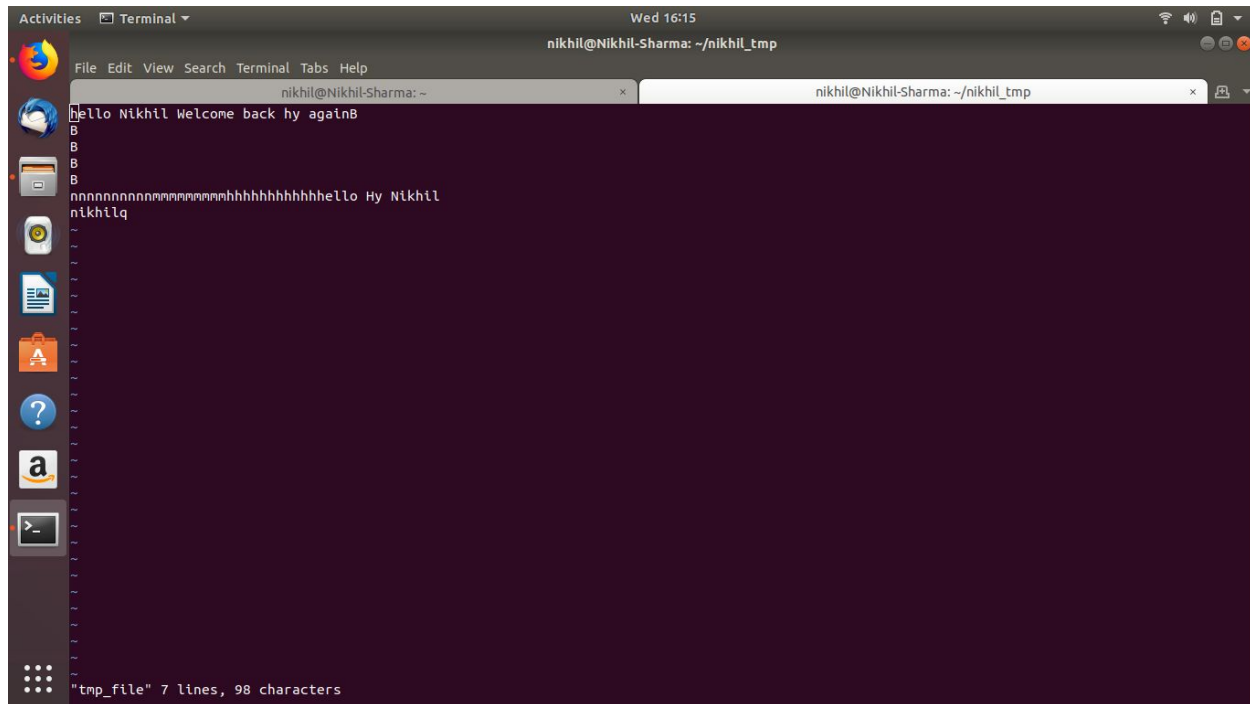
```
nikhil@Nikhil-Sharma: ~/nikhil_tmp$ pushd
.git/ tmp_again tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git push -u origin newbranch
Username for 'https://github.com': nikstarlord
Password for 'https://nikstarlord@github.com':
Counting objects: 3, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 309 bytes | 309.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'newbranch' on GitHub by visiting:
remote:   https://github.com/nikstarlord/python/pull/new/newbranch
remote:
To https://github.com/nikstarlord/python.git
 * [new branch]      newbranch -> newbranch
Branch 'newbranch' set up to track remote branch 'newbranch' from 'origin'.
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git push -u origin master
Username for 'https://github.com': nikstarlord
Password for 'https://nikstarlord@github.com':
Branch 'master' set up to track remote branch 'master' from 'origin'.
Everything up-to-date
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git clone https://github.com/nikstarlord/python.git
Cloning into 'python'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 18 (delta 0), reused 3 (delta 0), pack-reused 15
Unpacking objects: 100% (18/18), done.
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```

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

Ans.

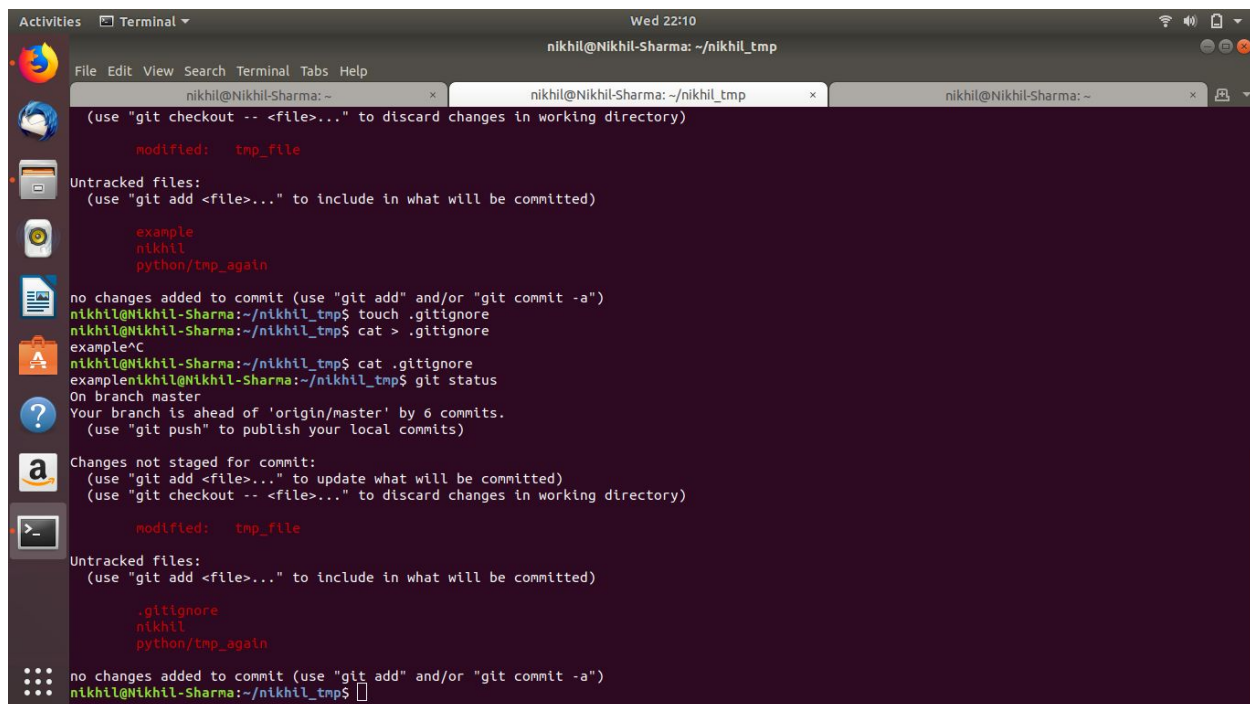


```
nikhil@Nikhil-Sharma: -
nikhil@Nikhil-Sharma:~/nikhil_tmp$ bash: /home/nikhil/.bashrc: line 123: syntax error: unexpected end of file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ cd nikhil_tmp
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git init
Reinitialized existing Git repository in /home/nikhil/nikhil_tmp/.git/
nikhil@Nikhil-Sharma:~/nikhil_tmp$ ls
python tmp_again tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ vi ./python/tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git add ./python/tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git commit -m "another commit"
[newbranch fcc3306] another commit
1 file changed, 2 insertions(+)
create mode 100644 python/tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```

Q12.Ignore a few files to be checked in

Ans.touch .gitignore



Q13.Create a new branch.

Ans. `git checkout -b branchname`

```
Activities Terminal
nikhil@Nikhil-Sharma: ~/nikhil_tmp
File Edit View Search Terminal Tabs Help
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git push -u origin newbranch
Username for 'https://github.com': nikstarlord
Password for 'https://nikstarlord@github.com':
Counting objects: 4, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 383 bytes | 383.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0)
To https://github.com/nikstarlord/python.git
3f48247..fcc3306 newbranch -> newbranch
Branch 'newbranch' set up to track remote branch 'newbranch' from 'origin'.
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git request-pull another commit https://github.com/nikstarlord/python
fatal: Not a valid revision: another
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git pull-request
git: 'pull-request' is not a git command. See 'git --help'.
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git pull https://github.com/nikstarlord/python.git
From https://github.com/nikstarlord/python
* branch HEAD -> FETCH_HEAD
Already up to date.
nikhil@Nikhil-Sharma:~/nikhil_tmp$ vi tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git add
Nothing specified, nothing added.
Maybe you wanted to say 'git add .'
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git reset tmp_file
Unstaged changes after reset:
M tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ vi tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git add tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ vi tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git commit -m "commit again"
[newbranch 5030d96] commit again
1 file changed, 1 insertion(+), 1 deletion(-)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git checkout -b branch2
Switched to a new branch 'branch2'
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```

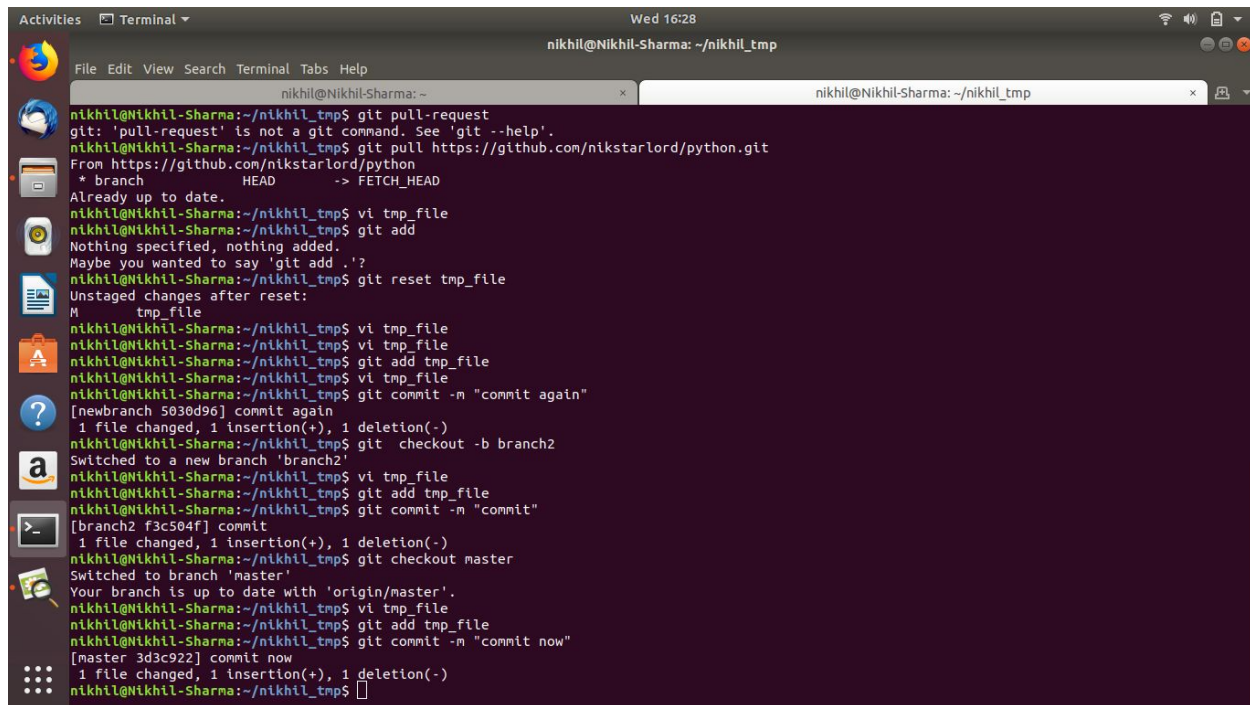
Q14.Diverge them with commits

Ans.

```
Activities Terminal
nikhil@Nikhil-Sharma: ~/nikhil_tmp
File Edit View Search Terminal Help
nikhil@Nikhil-Sharma:~/nikhil_tmp$ pushd
.git/ tmp again tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git push -u origin newbranch
Username for 'https://github.com': nikstarlord
Password for 'https://nikstarlord@github.com':
Counting objects: 3, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 309 bytes | 309.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'newbranch' on GitHub by visiting:
remote: https://github.com/nikstarlord/python/pull/new/newbranch
remote:
To https://github.com/nikstarlord/python.git
* [new branch] newbranch -> newbranch
Branch 'newbranch' set up to track remote branch 'newbranch' from 'origin'.
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git push -u origin master
Username for 'https://github.com': nikstarlord
Password for 'https://nikstarlord@github.com':
Branch 'master' set up to track remote branch 'master' from 'origin'.
Everything up-to-date
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git clone https://github.com/nikstarlord/python.git
Cloning into 'python'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 18 (delta 0), reused 3 (delta 0), pack-reused 15
Unpacking objects: 100% (18/18), done.
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```

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

Ans.

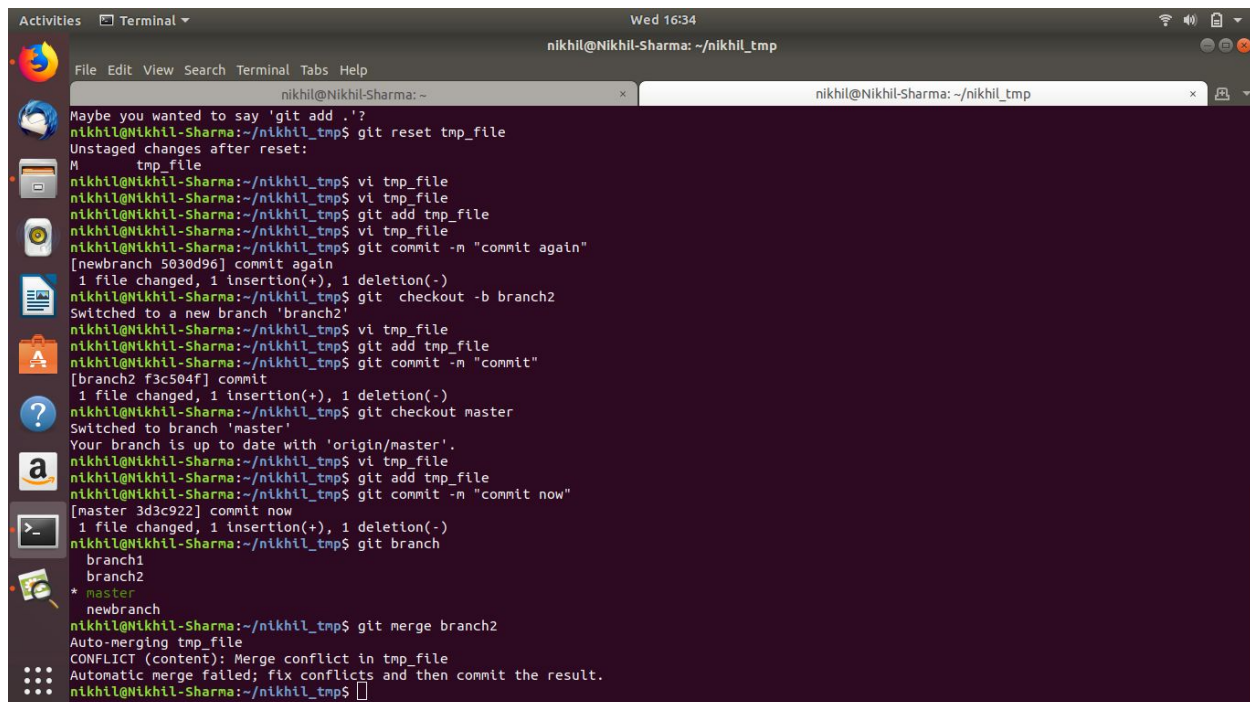


```
nikhil@Nikhil-Sharma: ~/nikhil_tmp
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git pull-request
git: 'pull-request' is not a git command. See 'git --help'.
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git pull https://github.com/nikstarlord/python
From https://github.com/nikstarlord/python
 * branch      HEAD       -> FETCH_HEAD
Already up to date.
nikhil@Nikhil-Sharma:~/nikhil_tmp$ vi tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git add
Nothing specified, nothing added.
Maybe you wanted to say 'git add .'?
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git reset tmp_file
Unstaged changes after reset:
M   tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ vi tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ vi tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git add tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ vi tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git commit -m "commit again"
[newbranch 5030d96] commit again
1 file changed, 1 insertion(+), 1 deletion(-)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git checkout -b branch2
Switched to a new branch 'branch2'
nikhil@Nikhil-Sharma:~/nikhil_tmp$ vi tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git add tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git commit -m "commit"
[branch2 f3c504f] commit
1 file changed, 1 insertion(+), 1 deletion(-)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
nikhil@Nikhil-Sharma:~/nikhil_tmp$ vi tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git add tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git commit -m "commit now"
[master 3d3c922] commit now
1 file changed, 1 insertion(+), 1 deletion(-)
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```

Q16. Try merging and resolve merge conflicts.

Ans.

Conflict



```
nikhil@Nikhil-Sharma:~/nikhil_tmp
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git merge branch2
Auto-merging tmp_file
CONFLICT (content): Merge conflict in tmp_file
Automatic merge failed; fix conflicts and then commit the result.
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```



```
Activities Terminal Wed 17:23
nikhil@Nikhil-Sharma: ~/nikhil_tmp

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

.gitignore/
python/tmp_again

nikhil@Nikhil-Sharma:~/nikhil_tmp$ sudo rm .gitignore
[sudo] password for nikhil:
rm: cannot remove '.gitignore': Is a directory
nikhil@Nikhil-Sharma:~/nikhil_tmp$ touch .gitignore
nikhil@Nikhil-Sharma:~/nikhil_tmp$ echo 'application/cache' >> .gitignore
bash: .gitignore: Is a directory
nikhil@Nikhil-Sharma:~/nikhil_tmp$ ls
newfile python tmp_again tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git commit -m "chnage"
U
error: Committing is not possible because you have unmerged files.
hint: Fix them up in the work tree, and then use 'git add/rm <file>'
hint: as appropriate to mark resolution and make a commit.
fatal: Exiting because of an unresolved conflict.
nikhil@Nikhil-Sharma:~/nikhil_tmp$ gedit tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git merge newbranch
error: Merging is not possible because you have unmerged files.
hint: Fix them up in the work tree, and then use 'git add/rm <file>'
hint: as appropriate to mark resolution and make a commit.
fatal: Exiting because of an unresolved conflict.
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git merge branch2
error: Merging is not possible because you have unmerged files.
hint: Fix them up in the work tree, and then use 'git add/rm <file>'
hint: as appropriate to mark resolution and make a commit.
fatal: Exiting because of an unresolved conflict.
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git add tmp_file
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git commit -m "committed"
[master 55b4b12] committed
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git merge branch2
Already up to date.
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```

Q17. Stash the changes and pop them.

Ans. git stash save "tmp_file_modified"
git stash pop

```
Activities Terminal Wed 22:25
nikhil@Nikhil-Sharma: ~/nikhil_tmp

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

.gitignore
nikhil
python/tmp_again

nothing added to commit but untracked files present (use "git add" to track)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git checkout newbranch
Switched to branch 'newbranch'
Your branch is ahead of 'origin/newbranch' by 1 commit.
(use "git push" to publish your local commits)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 6 commits.
(use "git push" to publish your local commits)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git stash pop
On branch master
Your branch is ahead of 'origin/master' by 6 commits.
(use "git push" to publish your local commits)

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:   tmp_file

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

    .gitignore
    nikhil
    python/tmp_again

no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (64cf7e5bf07c9c0977c286322e58f3ffa614408a)
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```

```

Activities  Terminal  Wed 22:25
nikhil@Nikhil-Sharma: ~/nikhil_tmp

File Edit View Search Terminal Tabs Help

nikhil@Nikhil-Sharma: ~
python/tmp_again
no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (d3c33254d9951002e914967a167e824ee847e2a7)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git stash save "tmp_file_modified"
Saved working directory and index state On master: tmp_file_modified
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git status
On branch master
Your branch is ahead of 'origin/master' by 6 commits.
(use "git push" to publish your local commits)

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

.gitignore
nikhil
python/tmp_again

nothing added to commit but untracked files present (use "git add" to track)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git checkout newbranch
Switched to branch 'newbranch'
Your branch is ahead of 'origin/newbranch' by 1 commit.
(use "git push" to publish your local commits)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 6 commits.
(use "git push" to publish your local commits)
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git stash pop
On branch master
Your branch is ahead of 'origin/master' by 6 commits.
(use "git push" to publish your local commits)

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:   tmp_file

```

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.

```

Ans.

```
Activities Terminal Wed 16:46
nikhil@Nikhil-Sharma: ~/nikhil_tmp

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nikhil@Nikhil-Sharma: ~ nikhil@Nikhil-Sharma: ~/nikhil_tmp

both modified: tmp_file

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

python/tmp_again

nikhil@Nikhil-Sharma:~/nikhil_tmp$ git checkout newfile
nikhil@Nikhil-Sharma:~/nikhil_tmp$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)

You have unmerged paths.
(fix conflicts and run "git commit")
(use "git merge --abort" to abort the merge)

Changes to be committed:
  new file:   newfile
  new file:   python/tmp_file

Unmerged paths:
(use "git add <file>..." to mark resolution)

both modified: tmp_file

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

python/tmp_again

nikhil@Nikhil-Sharma:~/nikhil_tmp$ vi newfile
nikhil@Nikhil-Sharma:~/nikhil_tmp$ vi ~/.bashrc
nikhil@Nikhil-Sharma:~/nikhil_tmp$
```