

Vidit Gupta  
Group 5

```
Activities Terminal Tue 16:43 ttn@ttn: ~
File Edit View Search Terminal Help
ttn@ttn:~/gitstest$ cd ~
ttn@ttn:~$ sudo apt-get install git
[sudo] password for ttn:
Reading package lists... Done
Building dependency tree
Reading state information... Done
git is already the newest version (1:2.17.1-1ubuntu0.4).
0 upgraded, 0 newly installed, 0 to remove and 436 not upgraded.
ttn@ttn:~$
```

```
Activities Terminal Tue 16:44 ttn@ttn: ~
File Edit View Search Terminal Help
ttn@ttn:~$ git init repo
Initialized empty Git repository in /home/ttn/repo/.git/
ttn@ttn:~$
```

```
Activities Terminal Tue 21:01 ttn@ttn: ~
File Edit View Search Terminal Help

ttn@ttn:~$ git init repo
Reinitialized existing Git repository in /home/ttn/repo/.git/
ttn@ttn:~$ touch abc.txt
ttn@ttn:~$ git add abc.txt
ttn@ttn:~$ ls
abc.tar  assignment1  Desktop  Documents  emptyfile1  emptyfile2  etc  examples.desktop  file1.txt  home  my.txt  Public  Templates
ttn@ttn:~$ git status
On branch vldit
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        new file:   abc.txt

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

        .ICEauthority
        .bash_history
        .bash_logout
        .bashrc
        .cache/
        .config/
        .gitconfig
        .gnupg/
        .local/
        .mozilla/
        .mysql_history
        .profile
        .ssh/
        .sudo_as_admin_successful
        .thunderbird/
        .viminfo
```

```
Activities Terminal Tue 21:04 ttn@ttn: ~
File Edit View Search Terminal Help

ttn@ttn:~$ git reset abc.txt
ttn@ttn:~$ git status
On branch vldit
Untracked files:
  (use "git add <file>..." to include in what will be committed)

        .ICEauthority
        .bash_history
        .bash_logout
        .bashrc
        .cache/
        .config/
        .gitconfig
        .gnupg/
        .local/
        .mozilla/
        .mysql_history
        .profile
        .ssh/
        .sudo_as_admin_successful
        .thunderbird/
        .viminfo
        Desktop/
        Desktop/
        Downloads/
        Pictures/
        abc.tar
        abc.txt
        dir2
        emptyfile1
        emptyfile2
        emptyfile1
        etc/
        examples.desktop
        exercise/
        file1.txt
        gitsession/
        home/
```

```
Activities Terminal Tue 21:08 ttn@ttn: ~
File Edit View Search Terminal Help
.cache/
.config/
.gitconfig
.gnupg/
.local/
.mozilla/
.mysql_history
.profile
.ssh/
.sudo_as_admin_successful
.thunderbird/
.viminfo
Desktop/
Desktop
Downloads/
Pictures/
abc.tar
abc.txt
dir2
emptyfile1
emptyfile2
emptyfile1
etc/
examples.desktop
exercse/
file1.txt
gitssession/
home/

nothing added to commit but untracked files present (use "git add" to track)
ttn@ttn:~$ clear

ttn@ttn:~$ touch abc.txt
ttn@ttn:~$ git add abc.txt
ttn@ttn:~$ git commit -m "file getting committed"
[vidit dbdc3e5] file getting committed
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 abc.txt
```

```
Activities Terminal Tue 21:16 ttn@ttn: ~
File Edit View Search Terminal Help
ttn@ttn:~$ git remote add origin git@github.com:vishalatyagi0053/gitssession.git
fatal: remote origin already exists.
ttn@ttn:~$
```

```
Activities Terminal Tue 23:57
ttn@ttn: ~

File Edit View Search Terminal Help
ttn@ttn:~$ vim abc.txt
ttn@ttn:~$ cat abc.txt
1
2
3
4
5
ttn@ttn:~$ git add abc.txt
ttn@ttn:~$ git commit -m "xyz"
[master bd9ecc4] xyz
1 file changed, 6 insertions(+)
create mode 100644 abc.txt
ttn@ttn:~$ vim abc.txt
ttn@ttn:~$ git add abc.txt
ttn@ttn:~$ git commit -m "wxyz"
[master 19eeb81] wxyz
1 file changed, 1 insertion(+), 2 deletions(-)
ttn@ttn:~$ cat abc.txt
1
2
3
ttn@ttn:~$
```

```
Activities Terminal Tue 22:53
ttn@ttn: ~

File Edit View Search Terminal Help
ttn@ttn:~$ git clone git@github.com:ViditGuptaTTN/vidit.git
fatal: destination path 'vidit' already exists and is not an empty directory.
ttn@ttn:~$ git checkout -b viditnew
fatal: A branch named 'viditnew' already exists.
ttn@ttn:~$ vim abc.txt
ttn@ttn:~$ git add abc.txt
ttn@ttn:~$ git status
On branch viditnew
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   abc.txt

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

        .ICEauthority
        .bash_history
        .bash_logout
        .bashrc
        .cache/
        .config/
        .gitconfig
        .gnupg/
        .local/
        .mozilla/
        .mysql_history
        .profile
        .ssh/
        .sudo_as_admin_successful
        .thunderbird/
        .viminfo
        Desktop/
        Desktop
        Downloads/
        Pictures/
        abc.tar
        .
```

```
Activities  Terminal  Tue 22:53
ttn@ttn: ~

File Edit View Search Terminal Help

.mysql_history
.profile
.ssh/
.sudo_as_admin_successful
.thunderbird/
.viminfo
Desktop/
Desktop
Downloads/
Pictures/
abc.tar
dir2
emptyfile1
emptyfile2
emptyfile1
etc/
examples.desktop
exercise/
file1.txt
gitsession/
home/

ttn@ttn:~$ git commit -m "modified2"
[viditnew c00d22b] modified2
1 file changed, 1 insertion(+), 1 deletion(-)
ttn@ttn:~$ git push origin viditnew
Counting objects: 12, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (7/7), done.
Writing objects: 100% (12/12), 935 bytes | 935.00 KiB/s, done.
Total 12 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'viditnew' on GitHub by visiting:
remote:   https://github.com/vishaltyagi0053/gitsession/pull/new/viditnew
remote:
To github.com:vishaltyagi0053/gitsession.git
 * [new branch]      viditnew -> viditnew
ttn@ttn:~$
```

```
Activities  Terminal  Thu 23:34
ttn@ttn: ~/Downloads/vidit

File Edit View Search Terminal Help

ttn@ttn:~/Downloads/vidit_copy$ vim new_file
ttn@ttn:~/Downloads/vidit_copy$ git add new_file
ttn@ttn:~/Downloads/vidit_copy$ git commit -m "changes to be pulled"
[branch1 6dba7dc] changes to be pulled
1 file changed, 2 insertions(+), 1 deletion(-)
ttn@ttn:~/Downloads/vidit_copy$ git push origin branch1
fatal: 'origin' 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:~/Downloads/vidit_copy$ git push new_repo_copy
branch1      HEAD               new_repo_copy/new_branch  ORIG_HEAD
FETCH HEAD   new_repo_copy/master      new_repo_copy/vidit1
ttn@ttn:~/Downloads/vidit_copy$ git push new_repo_copy
branch1      HEAD               new_repo_copy/new_branch  ORIG_HEAD
FETCH HEAD   new_repo_copy/master      new_repo_copy/vidit1
ttn@ttn:~/Downloads/vidit_copy$ git push new_repo_copy branch1
Counting objects: 6, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (6/6), 453 bytes | 453.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'branch1' on GitHub by visiting:
remote:   https://github.com/ViditGuptaTTN/vidit/pull/new/branch1
remote:
To github.com:ViditGuptaTTN/vidit.git
 * [new branch]      branch1 -> branch1
ttn@ttn:~/Downloads/vidit_copy$ cd ..
ttn@ttn:~/Downloads$ cd
cd          cd-create-profile  cd-fix-profile  cd-iccdump      cd-it8
ttn@ttn:~/Downloads$ cd
git_practice/ Repo3/          vidit/          vidit_copy/
ttn@ttn:~/Downloads$ cd vidit
ttn@ttn:~/Downloads/vidit$ git branch
master
* new_branch
```

```
Activities Terminal Thu 23:37 ttn@ttn: ~/Downloads/vidit
File Edit View Search Terminal Help
ttn@ttn:~/Downloads/vidit_copy$ git push new_repo_copy branch1
Counting objects: 6, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (6/6), 453 bytes | 453.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'branch1' on GitHub by visiting:
remote:   https://github.com/ViditGuptaTTN/vidit/pull/new/branch1
remote:
To github.com:ViditGuptaTTN/vidit.git
 * [new branch]      branch1 -> branch1
ttn@ttn:~/Downloads/vidit_copy$ cd ..
ttn@ttn:~/Downloads$ cd
ttn@ttn:~/Downloads$ cd create-profile cd-fix-profile cd-iccdump cd-it8
ttn@ttn:~/Downloads$ cd
ttn@ttn:~/Downloads$ cd git_practice/ Repo3/ vidit/ vidit_copy/
ttn@ttn:~/Downloads$ cd vidit
ttn@ttn:~/Downloads/vidit$ git branch
  master
 * new_branch
  vidit1
ttn@ttn:~/Downloads/vidit$ git pull origin
HEAD      master      new_branch  vidit1
ttn@ttn:~/Downloads/vidit$ git pull origin
HEAD      master      new_branch  vidit1
ttn@ttn:~/Downloads/vidit$ git pull origin new_branch
From github.com:ViditGuptaTTN/vidit
 * branch      new_branch -> FETCH_HEAD
Already up to date.
ttn@ttn:~/Downloads/vidit$ cat new_file
1
2
3
ttn@ttn:~/Downloads/vidit$
ttn@ttn:~/Downloads/vidit$
ttn@ttn:~/Downloads/vidit$
```

```
Activities Terminal Wed 00:24 ttn@ttn: ~/gitsession/gitsession
File Edit View Search Terminal Help
ttn@ttn:~$ cd gitsession
ttn@ttn:~/gitsession$ git branch
ttn@ttn:~/gitsession$ cd gitsession
ttn@ttn:~/gitsession/gitsession$ git branch
  master
 * vidit
ttn@ttn:~/gitsession/gitsession$ vim test-file.txt
ttn@ttn:~/gitsession/gitsession$ git add test-file.txt
ttn@ttn:~/gitsession/gitsession$ git commit -m "committing"
[vidit 9f2e70d] committing
1 file changed, 2 insertions(+)
create mode 100644 test-file.txt
ttn@ttn:~/gitsession/gitsession$ vim test-file.txt
ttn@ttn:~/gitsession/gitsession$ git diff
diff --git a/test-file.txt b/test-file.txt
index 95140e7..a2f3366 100644
--- a/test-file.txt
+++ b/test-file.txt
@@ -1,2 +1,4 @@
hello
+to
+the
world!
ttn@ttn:~/gitsession/gitsession$
```



```
Activities Terminal Wed 00:28 ttn@ttn: ~/gitsession/gitsession
File Edit View Search Terminal Help
ttn@ttn:~/gitsession/gitsession$ touch ignore
ttn@ttn:~/gitsession/gitsession$ cat > .gitignore
ignore
^C
^C
ttn@ttn:~/gitsession/gitsession$
ttn@ttn:~/gitsession/gitsession$
ttn@ttn:~/gitsession/gitsession$
ttn@ttn:~/gitsession/gitsession$
ttn@ttn:~/gitsession/gitsession$
ttn@ttn:~/gitsession/gitsession$
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ttn@ttn:~/gitsession/gitsession$
ttn@ttn:~/gitsession/gitsession$
ttn@ttn:~/gitsession/gitsession$
```

```
Activities Terminal Wed 00:30 ttn@ttn: ~/gitsession/gitsession
File Edit View Search Terminal Help
ttn@ttn:~/gitsession/gitsession$ git branch
master
* vldtt
ttn@ttn:~/gitsession/gitsession$ git branch branch-viditnew
ttn@ttn:~/gitsession/gitsession$ git branch
branch-viditnew
master
* vldtt
ttn@ttn:~/gitsession/gitsession$
```

```
Activities Terminal Thu 17:40
ttn@ttn: ~/Downloads/vidit

File Edit View Search Terminal Help

Counting objects: 3, done.
Writing objects: 100% (3/3), 246 bytes | 246.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:   https://github.com/ViditGuptaTTN/vidit/pull/new/master
remote:
To github.com:ViditGuptaTTN/vidit.git
* [new branch] master -> master
ttn@ttn:~/Downloads/vidit$ git status
On branch master
Your branch is ahead of 'vidit1' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
ttn@ttn:~/Downloads/vidit$ git merge vidit1
Already up to date.
ttn@ttn:~/Downloads/vidit$ git checkout -b vidit1
fatal: A branch named 'vidit1' already exists.
ttn@ttn:~/Downloads/vidit$ git checkout vidit1
Switched to branch 'vidit1'
ttn@ttn:~/Downloads/vidit$ vim abc.txt
ttn@ttn:~/Downloads/vidit$ git add abc.txt
ttn@ttn:~/Downloads/vidit$ git commit -m "vidit1 commit"
[vidit1 115a1ca] vidit1 commit
1 file changed, 1 insertion(+), 1 deletion(-)
ttn@ttn:~/Downloads/vidit$ git push origin vidit1
Counting objects: 3, done.
Writing objects: 100% (3/3), 245 bytes | 245.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To github.com:ViditGuptaTTN/vidit.git
   bd78056..115a1ca  vidit1 -> vidit1
ttn@ttn:~/Downloads/vidit$ git checkout master
Switched to branch 'master'
Your branch and 'vidit1' have diverged,
and have 1 and 1 different commits each, respectively.
(use "git pull" to merge the remote branch into yours)
ttn@ttn:~/Downloads/vidit$
```

```
Activities Terminal Wed 12:32
ttn@ttn: ~/gitsession/gitsession

File Edit View Search Terminal Help

ttn@ttn:~/gitsession/gitsession$ git branch
branch-viditnew
master
* vidit
ttn@ttn:~/gitsession/gitsession$ git checkout -b vidit
fatal: A branch named 'vidit' already exists.
ttn@ttn:~/gitsession/gitsession$ cd checkout vidit
bash: cd: too many arguments
ttn@ttn:~/gitsession/gitsession$ git checkout vidit
Already on 'vidit'
ttn@ttn:~/gitsession/gitsession$ touch myfile.txt
ttn@ttn:~/gitsession/gitsession$ vim myfile.txt
ttn@ttn:~/gitsession/gitsession$ cat myfile.txt
1
2
ttn@ttn:~/gitsession/gitsession$ git commit -m "vidit branch"
On branch vidit
Untracked files:
  (use "git add" to track)
        folder/
        ignore
        myfile.txt

nothing added to commit but untracked files present
ttn@ttn:~/gitsession/gitsession$ git checkout branch-viditnew
Switched to branch 'branch-viditnew'
ttn@ttn:~/gitsession/gitsession$ vim myfile.txt
ttn@ttn:~/gitsession/gitsession$ cat myfile.txt
3
4
ttn@ttn:~/gitsession/gitsession$ git commit -m "branch-viditnew"
On branch branch-viditnew
Untracked files:
  (use "git add" to track)
        folder/
        ignore
        myfile.txt

nothing added to commit but untracked files present
ttn@ttn:~/gitsession/gitsession$
```



```
Activities  Terminal  Fri 00:10
ttn@ttn: ~/Downloads/vidit

File Edit View Search Terminal Help
ttn@ttn:~/Downloads/vidit$ git branch
* master
  new_branch
  vidit1
ttn@ttn:~/Downloads/vidit$ echo hello1 > file1
ttn@ttn:~/Downloads/vidit$ git add file1
ttn@ttn:~/Downloads/vidit$ git commit -m "file1"
[master 5781d99] file1
 1 file changed, 1 insertion(+)
 create mode 100644 file1
ttn@ttn:~/Downloads/vidit$ git push origin master
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 272 bytes | 272.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To github.com:ViditGuptaTTN/vidit.git
 80f5d3a..5781d99  master -> master
ttn@ttn:~/Downloads/vidit$ git checkout vidit1
M      abc.txt
Switched to branch 'vidit1'
ttn@ttn:~/Downloads/vidit$ echo hello2 > file1
ttn@ttn:~/Downloads/vidit$ git add file1
ttn@ttn:~/Downloads/vidit$ git commit -m "file1 changed"
[vidit1 80c3660] file1 changed
 1 file changed, 1 insertion(+)
 create mode 100644 file1
ttn@ttn:~/Downloads/vidit$ git push origin vidit1
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 275 bytes | 275.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To github.com:ViditGuptaTTN/vidit.git
 80f5d3a..80c3660  vidit1 -> vidit1
ttn@ttn:~/Downloads/vidit$ git checkout master
M      abc.txt
Switched to branch 'master'
```

```
Activities  Terminal  Fri 00:08
ttn@ttn: ~/Downloads/vidit

Firefox Web Browser
File Edit View Search Terminal Help

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.
ttn@ttn:~/Downloads/vidit$ git merge -e vidit1
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.
ttn@ttn:~/Downloads/vidit$ cat abc.txt
hello 2

hello
ttn@ttn:~/Downloads/vidit$ git pull origin vidit1
error: Pulling 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.
ttn@ttn:~/Downloads/vidit$ git rm file1
file1: needs merge
rm 'file1'
ttn@ttn:~/Downloads/vidit$ git commit -m "file1 removed"
[master ce5ebe5] file1 removed
ttn@ttn:~/Downloads/vidit$ git push origin master
Counting objects: 2, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (1/1), done.
Writing objects: 100% (2/2), 258 bytes | 258.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0)
To github.com:ViditGuptaITN/vidit.git
  5781d99..ce5ebe5  master -> master
ttn@ttn:~/Downloads/vidit$ git pull origin vidit1
From github.com:ViditGuptaITN/vidit
 * branch          vidit1      -> FETCH_HEAD
Already up to date.
ttn@ttn:~/Downloads/vidit$ git merge vidit1
Already up to date.
ttn@ttn:~/Downloads/vidit$
```

```
Activities  Terminal  Thu 23:50
ttn@ttn: ~/Downloads/vidit

File Edit View Search Terminal Help

ttn@ttn:~/Downloads/vidit$ echo hello >> abc.txt
ttn@ttn:~/Downloads/vidit$ cat abc.txt
hello 2

hello
ttn@ttn:~/Downloads/vidit$ git commit
On branch master
Your branch is up to date with 'vidit1'.

Changes not staged for commit:
  modified:   abc.txt

no changes added to commit
ttn@ttn:~/Downloads/vidit$ git stash pop
No stash entries found.
ttn@ttn:~/Downloads/vidit$ cat abc.txt
hello 2

hello
ttn@ttn:~/Downloads/vidit$ git stash apply
No stash entries found.
ttn@ttn:~/Downloads/vidit$ git stash
Saved working directory and index state WIP on master: 80f5d3a Merge branch 'vidit1'
ttn@ttn:~/Downloads/vidit$ git stash pop
On branch master
Your branch is up to date with 'vidit1'.

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:   abc.txt

no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (119bf36999659bc3df2da9a920bf84bf8ace7e4)
ttn@ttn:~/Downloads/vidit$
```