

# Introduction to Version Control - Exercise Solutions

## February 05, 2019

### Question 1:

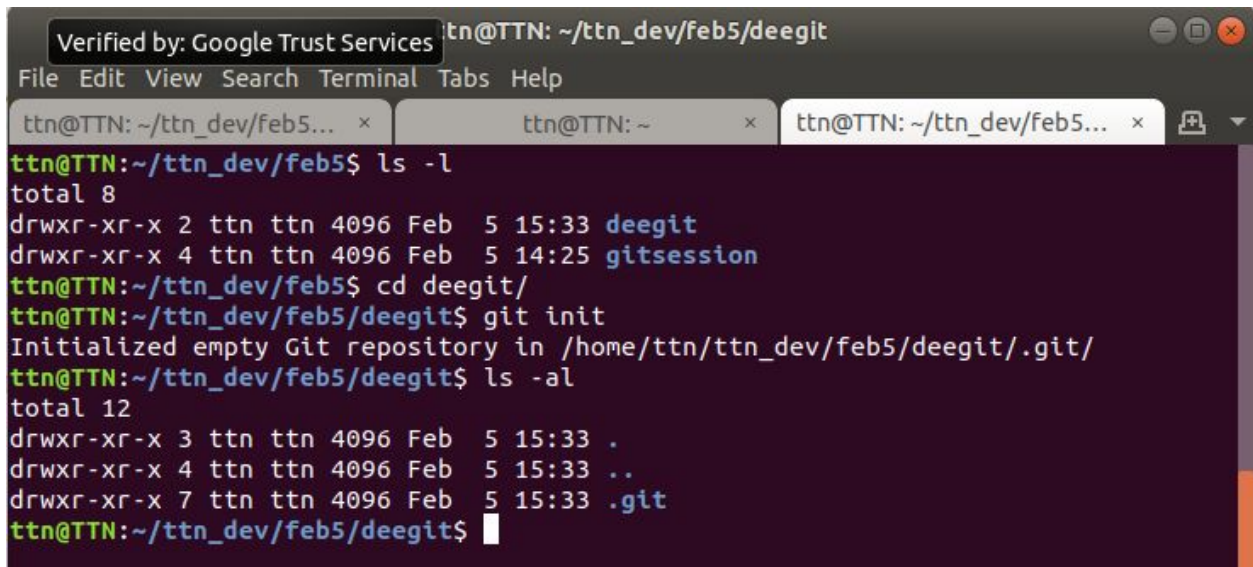
#### Git setup

```
ttn@TTN: ~/ttn_dev/feb5
File Edit View Search Terminal Help
ttn@TTN:~$ sudo apt-get install git
[sudo] password for ttn:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk
  gitweb git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 429 not upgraded.
Need to get 4,733 kB of archives.
After this operation, 33.9 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu bionic/main amd64 liberror-perl all 0.17025-1 [22.8 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu bionic-updates/main amd64 git-man all 1:2.17.1-1ubuntu0.4 [803 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu bionic-updates/main amd64 git amd64 1:2.17.1-1ubuntu0.4 [3,907 kB]
Fetched 4,733 kB in 2s (2,036 kB/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 128551 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17025-1_all.deb ...
Unpacking liberror-perl (0.17025-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a2.17.1-1ubuntu0.4_all.deb ...
Unpacking git-man (1:2.17.1-1ubuntu0.4) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a2.17.1-1ubuntu0.4_amd64.deb ...
Unpacking git (1:2.17.1-1ubuntu0.4) ...
Setting up git-man (1:2.17.1-1ubuntu0.4) ...
Setting up liberror-perl (0.17025-1) ...
Processing triggers for man-db (2.8.3-2) ...
Setting up git (1:2.17.1-1ubuntu0.4) ...
ttn@TTN:~$ which git
/usr/bin/git
```

```
ttn@TTN: ~/ttn_dev/feb5
File Edit View Search Terminal Help
ttn@TTN:~$ sudo apt-get install git
[sudo] password for ttn:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk
  gitweb git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 429 not upgraded.
Need to get 4,733 kB of archives.
After this operation, 33.9 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu bionic/main amd64 liberror-perl all 0.17025-1 [22.8 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu bionic-updates/main amd64 git-man all 1:2.17.1-1ubuntu0.4 [803 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu bionic-updates/main amd64 git amd64 1:2.17.1-1ubuntu0.4 [3,907 kB]
Fetched 4,733 kB in 2s (2,036 kB/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 128551 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17025-1_all.deb ...
Unpacking liberror-perl (0.17025-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a2.17.1-1ubuntu0.4_all.deb ...
Unpacking git-man (1:2.17.1-1ubuntu0.4) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a2.17.1-1ubuntu0.4_amd64.deb ...
Unpacking git (1:2.17.1-1ubuntu0.4) ...
Setting up git-man (1:2.17.1-1ubuntu0.4) ...
Setting up liberror-perl (0.17025-1) ...
Processing triggers for man-db (2.8.3-2) ...
Setting up git (1:2.17.1-1ubuntu0.4) ...
ttn@TTN:~$ which git
/usr/bin/git
```

## Question 2:

Initialize a git repository



```
Verified by: Google Trust Services ttn@TTN: ~/ttn_dev/feb5/deegit
File Edit View Search Terminal Tabs Help
ttn@TTN: ~/ttn_dev/feb5... x ttn@TTN: ~ x ttn@TTN: ~/ttn_dev/feb5... x
ttn@TTN:~/ttn_dev/feb5$ ls -l
total 8
drwxr-xr-x 2 ttn ttn 4096 Feb  5 15:33 deegit
drwxr-xr-x 4 ttn ttn 4096 Feb  5 14:25 gitsession
ttn@TTN:~/ttn_dev/feb5$ cd deegit/
ttn@TTN:~/ttn_dev/feb5/deegit$ git init
Initialized empty Git repository in /home/ttn/ttn_dev/feb5/deegit/.git/
ttn@TTN:~/ttn_dev/feb5/deegit$ ls -al
total 12
drwxr-xr-x 3 ttn ttn 4096 Feb  5 15:33 .
drwxr-xr-x 4 ttn ttn 4096 Feb  5 15:33 ..
drwxr-xr-x 7 ttn ttn 4096 Feb  5 15:33 .git
ttn@TTN:~/ttn_dev/feb5/deegit$
```

## Question 3:

Add files to the repository

```
ttn@TTN:~/ttn_dev/feb5/deegit$ touch fileOne.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ touch fileTwo.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ nano fileOne.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ nano fileTwo.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ ls -al
total 20
drwxr-xr-x 3 ttn ttn 4096 Feb  5 15:35 .
drwxr-xr-x 4 ttn ttn 4096 Feb  5 15:33 ..
-rw-r--r-- 1 ttn ttn  24 Feb  5 15:35 fileOne.txt
-rw-r--r-- 1 ttn ttn  24 Feb  5 15:35 fileTwo.txt
drwxr-xr-x 7 ttn ttn 4096 Feb  5 15:33 .git
ttn@TTN:~/ttn_dev/feb5/deegit$ cat fileOne.txt
This is my first file.

ttn@TTN:~/ttn_dev/feb5/deegit$ cat fileTwo.txt
This is my second file.
ttn@TTN:~/ttn_dev/feb5/deegit$
```

```
ttn@TTN:~/ttn_dev/feb5/deegit$ git status
On branch master

No commits yet

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

        fileOne.txt
        fileTwo.txt

nothing added to commit but untracked files present (use "git add" to track)
ttn@TTN:~/ttn_dev/feb5/deegit$
```

```
ttn@TTN:~/ttn_dev/feb5/deegit$ git add .
ttn@TTN:~/ttn_dev/feb5/deegit$ git status
On branch master

No commits yet

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

        new file:   fileOne.txt
        new file:   fileTwo.txt

ttn@TTN:~/ttn_dev/feb5/deegit$
```

#### Question 4:

Unstage one file

```
ttn@TTN:~/ttn_dev/feb5/deegit$ git reset -- fileTwo.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ git status
On branch master

No commits yet

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

        new file:   fileOne.txt

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

        fileTwo.txt

ttn@TTN:~/ttn_dev/feb5/deegit$
```



### Question 5:

Commit the file

```
ttn@TTN:~/ttn_dev/feb5/deegit$ git commit -m "Add first file to repo"
[master (root-commit) 061cc2c] Add first file to repo
 1 file changed, 2 insertions(+)
 create mode 100644 fileOne.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)

        fileTwo.txt

nothing added to commit but untracked files present (use "git add" to track)
ttn@TTN:~/ttn_dev/feb5/deegit$ git log
commit 061cc2c56be6b421ff1d8e77d41c7608cf252ae3 (HEAD -> master)
Author: Deepika Tiwari <deepikatiwari92@gmail.com>
Date:   Tue Feb 5 15:42:12 2019 +0530

    Add first file to repo
ttn@TTN:~/ttn_dev/feb5/deegit$
```

### Question 6:

Add a remote

(<https://github.com/Deee92/gitbootcamp>)

```
ttn@TTN:~/ttn_dev/feb5/deegit$ git remote add origin git@github.com:Deee92/gitbootcamp.git
ttn@TTN:~/ttn_dev/feb5/deegit$ git remote -v
origin  git@github.com:Deee92/gitbootcamp.git (fetch)
origin  git@github.com:Deee92/gitbootcamp.git (push)
ttn@TTN:~/ttn_dev/feb5/deegit$
```

### Question 7:

Undo changes to a particular file

```
ttn@TTN:~/ttn_dev/feb5/deegit$ cat fileOne.txt
This is my first file.

ttn@TTN:~/ttn_dev/feb5/deegit$ nano fileOne.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ cat fileOne.txt
This is my first text file.

ttn@TTN:~/ttn_dev/feb5/deegit$ git checkout -- fileOne.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ cat fileOne.txt
This is my first file.

ttn@TTN:~/ttn_dev/feb5/deegit$
```

### Question 8:

Push changes to GitHub

```
ttn@TTN:~/ttn_dev/feb5/deegit$ git push origin master
Counting objects: 3, done.
Writing objects: 100% (3/3), 249 bytes | 249.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To github.com:Deee92/gitbootcamp.git
 * [new branch]      master -> master
ttn@TTN:~/ttn_dev/feb5/deegit$ git log
commit 061cc2c56be6b421ff1d8e77d41c7608cf252ae3 (HEAD -> master, origin/master)
Author: Deepika Tiwari <deepikatiwari92@gmail.com>
Date:   Tue Feb 5 15:42:12 2019 +0530

    Add first file to repo
ttn@TTN:~/ttn_dev/feb5/deegit$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)

    fileTwo.txt

nothing added to commit but untracked files present (use "git add" to track)
ttn@TTN:~/ttn_dev/feb5/deegit$
```

### Question 9:

Clone the repository

```
ttn@TTN: ~/ttn_dev/feb5/deeclone/gitbootcamp
File Edit View Search Terminal Tabs Help
ttn@TTN: ~/ttn_dev/feb5/deegit$ cd ..
ttn@TTN: ~/ttn_dev/feb5$ mkdir deeclone
ttn@TTN: ~/ttn_dev/feb5$ ls -l
total 12
drwxr-xr-x 2 ttn ttn 4096 Feb  5 15:58 deeclone
drwxr-xr-x 3 ttn ttn 4096 Feb  5 15:51 deegit
drwxr-xr-x 4 ttn ttn 4096 Feb  5 14:25 gitsession
ttn@TTN: ~/ttn_dev/feb5$ cd deeclone/
ttn@TTN: ~/ttn_dev/feb5/deeclone$ git clone git@github.com:Deee92/gitbootcamp.git
Cloning into 'gitbootcamp'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
ttn@TTN: ~/ttn_dev/feb5/deeclone$ ls -l
total 4
drwxr-xr-x 3 ttn ttn 4096 Feb  5 15:59 gitbootcamp
ttn@TTN: ~/ttn_dev/feb5/deeclone$ cd gitbootcamp/
ttn@TTN: ~/ttn_dev/feb5/deeclone/gitbootcamp$ ls -l
total 4
-rw-r--r-- 1 ttn ttn 24 Feb  5 15:59 fileOne.txt
ttn@TTN: ~/ttn_dev/feb5/deeclone/gitbootcamp$
```

## Question 10:

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

```
ttn@TTN:~/ttn_dev/feb5/deegit$ git add fileTwo.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

    new file:   fileTwo.txt

ttn@TTN:~/ttn_dev/feb5/deegit$ git commit -m "Add second file to repo"
[master aafbe25] Add second file to repo
 1 file changed, 1 insertion(+)
 create mode 100644 fileTwo.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ git push origin master
Warning: Permanently added the RSA host key for IP address '140.82.118.4' 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), 312 bytes | 312.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To github.com:Deee92/gitbootcamp.git
   061cc2c..aafbe25  master -> master
ttn@TTN:~/ttn_dev/feb5/deegit$ git log
commit aafbe2505a0ceca811e5d3e2a2112b66136b83f6 (HEAD -> master, origin/master)
Author: Deepika Tiwari <deepikatiwari92@gmail.com>
Date:   Tue Feb 5 16:01:35 2019 +0530

    Add second file to repo

commit 061cc2c50be6b421ff1d0e77d41c7608cf252ae3
Author: Deepika Tiwari <deepikatiwari92@gmail.com>
Date:   Tue Feb 5 15:42:12 2019 +0530

    Add first file to repo
ttn@TTN:~/ttn_dev/feb5/deegit$
```

```
ttn@TTN:~/ttn_dev/feb5/deecclone/gitbootcamp$ ls -l
total 4
-rw-r--r-- 1 ttn ttn 24 Feb  5 15:59 fileOne.txt
ttn@TTN:~/ttn_dev/feb5/deecclone/gitbootcamp$ git branch
* master
ttn@TTN:~/ttn_dev/feb5/deecclone/gitbootcamp$ git pull origin master
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
From github.com:Deee92/gitbootcamp
 * branch                master      -> FETCH_HEAD
   061cc2c..aafbe25  master      -> origin/master
Updating 061cc2c..aafbe25
Fast-forward
 fileTwo.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 fileTwo.txt
ttn@TTN:~/ttn_dev/feb5/deecclone/gitbootcamp$ ls -l
total 8
-rw-r--r-- 1 ttn ttn 24 Feb  5 15:59 fileOne.txt
-rw-r--r-- 1 ttn ttn 24 Feb  5 16:03 fileTwo.txt
ttn@TTN:~/ttn_dev/feb5/deecclone/gitbootcamp$
```

### Question 11:

Check differences between a file and its staged version

```
ttn@TTN: ~/ttn_dev/feb5/deegit
File Edit View Search Terminal Tabs Help
ttn@TTN: ~/ttn_dev/feb5/deegit x ttn@TTN: ~ x ttn@TTN: ~/ttn_dev/feb5/deegit x ttn@TTN: ~/ttn_dev/feb5/deegit x
ttn@TTN:~/ttn_dev/feb5/deegit$ 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:   fileOne.txt

no changes added to commit (use "git add" and/or "git commit -a")
ttn@TTN:~/ttn_dev/feb5/deegit$ git add fileOne.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   fileOne.txt

ttn@TTN:~/ttn_dev/feb5/deegit$ nano fileOne.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ git diff
diff --git a/fileOne.txt b/fileOne.txt
index 7337428..9873dc2 100644
--- a/fileOne.txt
+++ b/fileOne.txt
@@ -1,2 +1,2 @@
-This is my updated first file.
+This is my updated first file after staging.
```



### Question 12:

Ignore a few files to be checked in

```
ttn@TTN:~/ttn_dev/feb5/deegit$ touch .gitignore
ttn@TTN:~/ttn_dev/feb5/deegit$ ls -l
total 8
-rw-r--r-- 1 ttn ttn 32 Feb  5 16:10 fileOne.txt
-rw-r--r-- 1 ttn ttn 24 Feb  5 15:35 fileTwo.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ ls -al
total 20
drwxr-xr-x 3 ttn ttn 4096 Feb  5 16:12 .
drwxr-xr-x 5 ttn ttn 4096 Feb  5 15:58 ..
-rw-r--r-- 1 ttn ttn  32 Feb  5 16:10 fileOne.txt
-rw-r--r-- 1 ttn ttn  24 Feb  5 15:35 fileTwo.txt
drwxr-xr-x 8 ttn ttn 4096 Feb  5 16:11 .git
-rw-r--r-- 1 ttn ttn   0 Feb  5 16:12 .gitignore
ttn@TTN:~/ttn_dev/feb5/deegit$ touch firstIgnoredFile.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ touch secondIgnoredFile.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ nano .gitignore
ttn@TTN:~/ttn_dev/feb5/deegit$ ls -al
total 24
drwxr-xr-x 3 ttn ttn 4096 Feb  5 16:15 .
drwxr-xr-x 5 ttn ttn 4096 Feb  5 15:58 ..
-rw-r--r-- 1 ttn ttn  32 Feb  5 16:10 fileOne.txt
-rw-r--r-- 1 ttn ttn  24 Feb  5 15:35 fileTwo.txt
-rw-r--r-- 1 ttn ttn   0 Feb  5 16:13 firstIgnoredFile.txt
drwxr-xr-x 8 ttn ttn 4096 Feb  5 16:11 .git
-rw-r--r-- 1 ttn ttn  44 Feb  5 16:15 .gitignore
-rw-r--r-- 1 ttn ttn   0 Feb  5 16:13 secondIgnoredFile.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)

        .gitignore

nothing added to commit but untracked files present (use "git add" to track)
ttn@TTN:~/ttn_dev/feb5/deegit$ git add .gitignore
ttn@TTN:~/ttn_dev/feb5/deegit$ git commit -m "Gitignore files"
```

### Question 13:

Create a new branch

```
ttn@TTN:~/ttn_dev/feb5/deegit$ git checkout -b branch-two
Switched to a new branch 'branch-two'
ttn@TTN:~/ttn_dev/feb5/deegit$
```



### Question 14, 15:

Diverge them with commits

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

```
Switched to a new branch 'branch-two'
ttn@TTN:~/ttn_dev/feb5/deegit$ ls -al
total 24
drwxr-xr-x 3 ttn ttn 4096 Feb  5 16:15 .
drwxr-xr-x 5 ttn ttn 4096 Feb  5 15:58 ..
-rw-r--r-- 1 ttn ttn  32 Feb  5 16:10 fileOne.txt
-rw-r--r-- 1 ttn ttn  24 Feb  5 15:35 fileTwo.txt
-rw-r--r-- 1 ttn ttn   0 Feb  5 16:13 firstIgnoredFile.txt
drwxr-xr-x 8 ttn ttn 4096 Feb  5 16:19 .git
-rw-r--r-- 1 ttn ttn  44 Feb  5 16:15 .gitignore
-rw-r--r-- 1 ttn ttn   0 Feb  5 16:13 secondIgnoredFile.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ nano fileOne.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ git status
On branch branch-two
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:   fileOne.txt

no changes added to commit (use "git add" and/or "git commit -a")
ttn@TTN:~/ttn_dev/feb5/deegit$ git add fileOne.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ git commit -m "Modify fileOne from new branch"
>
> q
> ^C
ttn@TTN:~/ttn_dev/feb5/deegit$ git commit -m "Modify fileOne from new branch"
[branch-two e4dde0c] Modify fileOne from new branch
 1 file changed, 1 insertion(+), 1 deletion(-)
ttn@TTN:~/ttn_dev/feb5/deegit$ git status
On branch branch-two
nothing to commit, working tree clean
```

```
ttn@TTN:~/ttn_dev/feb5/deegit$ git checkout master
Switched to branch 'master'
ttn@TTN:~/ttn_dev/feb5/deegit$ ls -al
total 24
drwxr-xr-x 3 ttn ttn 4096 Feb  5 16:23 .
drwxr-xr-x 5 ttn ttn 4096 Feb  5 15:58 ..
-rw-r--r-- 1 ttn ttn  32 Feb  5 16:23 fileOne.txt
-rw-r--r-- 1 ttn ttn  24 Feb  5 15:35 fileTwo.txt
-rw-r--r-- 1 ttn ttn   0 Feb  5 16:13 firstIgnoredFile.txt
drwxr-xr-x 8 ttn ttn 4096 Feb  5 16:23 .git
-rw-r--r-- 1 ttn ttn  44 Feb  5 16:15 .gitignore
-rw-r--r-- 1 ttn ttn   0 Feb  5 16:13 secondIgnoredFile.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ nano fileOne.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ git add fileOne.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

       modified:   fileOne.txt

ttn@TTN:~/ttn_dev/feb5/deegit$ git commit -m "Modify fileOne from master"
[master aa7daf3] Modify fileOne from master
 1 file changed, 1 insertion(+)
ttn@TTN:~/ttn_dev/feb5/deegit$ git status
On branch master
nothing to commit, working tree clean
ttn@TTN:~/ttn_dev/feb5/deegit$
```

## Question 16:

Try merging and resolve merge conflicts

```
ttn@TTN:~/ttn_dev/feb5/deegit$ git branch
  branch-two
* master
ttn@TTN:~/ttn_dev/feb5/deegit$ git merge --no-ff branch-two
Auto-merging fileOne.txt
CONFLICT (content): Merge conflict in fileOne.txt
Automatic merge failed; fix conflicts and then commit the result.
ttn@TTN:~/ttn_dev/feb5/deegit$ nano fileOne.txt
ttn@TTN:~/ttn_dev/feb5/deegit$
```

```
GNU nano 2.9.3 fileOne.txt

This is my updated first file.
<<<<<< HEAD
Working on file from master branch.

=====
I'm working on branch-two.
>>>>>> branch-two

[ Read 7 lines ]
^G Get Help  ^O Write Out  ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos   M-U Undo
^X Exit      ^R Read File  ^\ Replace   ^U Uncut Text ^T To Spell  ^_ Go To Line M-F Redo
```

```
GNU nano 2.9.3 fileOne.txt Modified

This is my updated first file.
Working on file from master branch.
I'm working on branch-two.

File Name to Write: fileOne.txt
^G Get Help  M-D DOS Format  M-A Append      M-B Backup File
^C Cancel    M-M Mac Format  M-P Prepend     ^T To Files
```

### Question 17:

Stash the changes and pop them

```
branch-two
* master
ttn@TTN:~/ttn_dev/feb5/deegit$ nano fileTwo.txt
ttn@TTN:~/ttn_dev/feb5/deegit$ 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:   fileTwo.txt

no changes added to commit (use "git add" and/or "git commit -a")
ttn@TTN:~/ttn_dev/feb5/deegit$ git stash
Saved working directory and index state WIP on master: b307e86 Merge branches after conflict resolution
ttn@TTN:~/ttn_dev/feb5/deegit$ git status
On branch master
nothing to commit, working tree clean
ttn@TTN:~/ttn_dev/feb5/deegit$ git stash pop
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:   fileTwo.txt

no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (ee444cdec9769d4dcc66f6147878cba04f09ec55)
ttn@TTN:~/ttn_dev/feb5/deegit$
```

### Question 18:

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
```

```
GNU nano 2.9.3 /home/ttn/.bashrc
# 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

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos M-U Undo
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line M-E Redo
```



```
ttn@TTN:~/ttn_dev/feb5/deegit$ nano ~/.bashrc
ttn@TTN:~/ttn_dev/feb5/deegit$ source ~/.bashrc
ttn@TTN:deegit (master)$ git status
On branch master
nothing to commit, working tree clean
ttn@TTN:deegit (master)$ git branch
  branch-two
* master
ttn@TTN:deegit (master)$
```