

Git Assignment (By Siddharth Gupta)

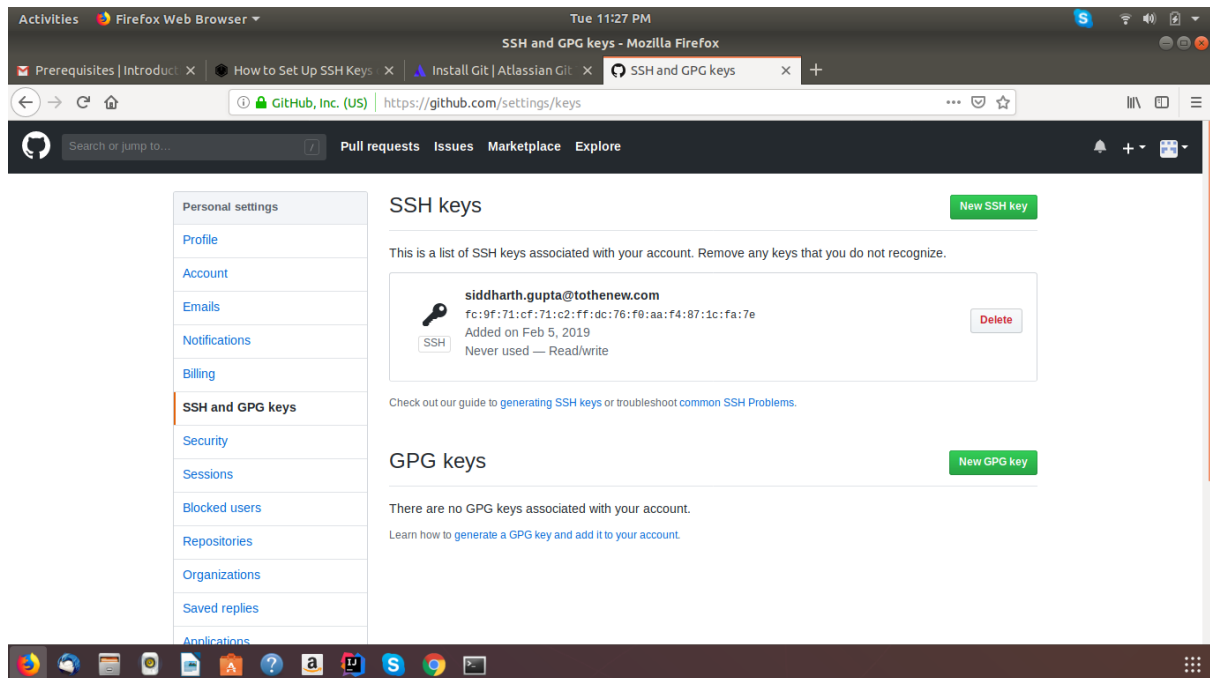
Ans 1

\$ sudo apt install git

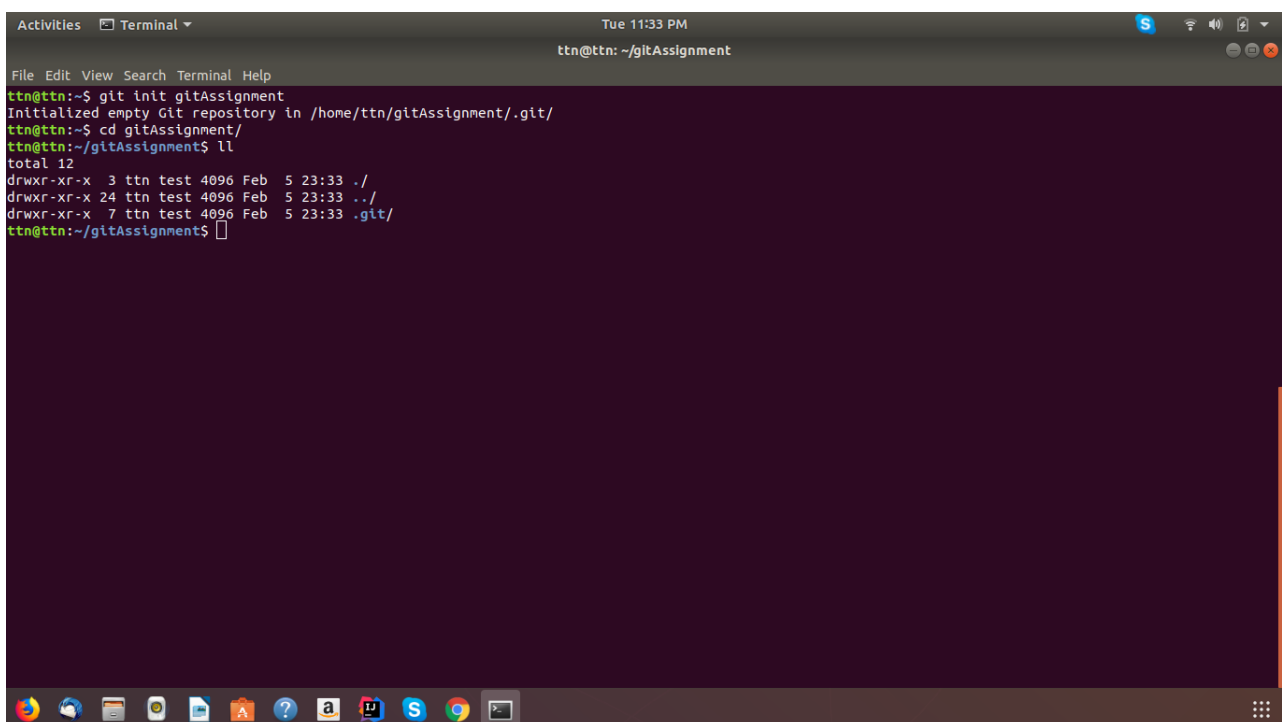
Generating SSH keys

\$ ssh-keygen -t rsa -b 4096 -C "siddharth.gupta@tothenew.com"

Then pasting the public key in git account



Ans 2



Ans 3

```
Activities Terminal Tue 11:39 PM ttn@ttn: ~/gitAssignment
File Edit View Search Terminal Help
ttn@ttn:~/gitAssignment$ touch file{1..5}
ttn@ttn:~/gitAssignment$ ll
total 12
drwxr-xr-x 3 ttn test 4096 Feb  5 23:39 ./
drwxr-xr-x 24 ttn test 4096 Feb  5 23:33 ../
-rw-r--r-- 1 ttn test  0 Feb  5 23:39 file1
-rw-r--r-- 1 ttn test  0 Feb  5 23:39 file2
-rw-r--r-- 1 ttn test  0 Feb  5 23:39 file3
-rw-r--r-- 1 ttn test  0 Feb  5 23:39 file4
-rw-r--r-- 1 ttn test  0 Feb  5 23:39 file5
drwxr-xr-x 7 ttn test 4096 Feb  5 23:33 .git/
ttn@ttn:~/gitAssignment$
```

Ans 4

```
Activities Terminal Tue 11:42 PM ttn@ttn: ~/gitAssignment
File Edit View Search Terminal Help
ttn@ttn:~/gitAssignment$ git status
On branch master

No commits yet

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

    file1
    file2
    file3
    file4
    file5

nothing added to commit but untracked files present (use "git add" to track)
ttn@ttn:~/gitAssignment$ git add file1
ttn@ttn:~/gitAssignment$ git status
On branch master

No commits yet

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

    new file:   file1

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

    file2
    file3
    file4
    file5

ttn@ttn:~/gitAssignment$
```

```
Activities Terminal Tue 11:50 PM
ttn@ttn: ~/gitAssignment

File Edit View Search Terminal Help
ttn@ttn:~/gitAssignment$ git reset file1
ttn@ttn:~/gitAssignment$ git status
On branch master

No commits yet

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

        file1
        file2
        file3
        file4
        file5

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

Ans 5

```
Activities Terminal Tue 11:54 PM
ttn@ttn: ~/gitAssignment

File Edit View Search Terminal Help
ttn@ttn:~/gitAssignment$ git add file1
ttn@ttn:~/gitAssignment$ git status
On branch master

No commits yet

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

        new file:   file1

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

        file2
        file3
        file4
        file5

ttn@ttn:~/gitAssignment$ git commit
[master (root-commit) 95738e7] file1 is committed
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file1
ttn@ttn:~/gitAssignment$ git status
On branch master

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

        file2
        file3
        file4
        file5

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

Ans 6

\$ git remote add origin https://github.com/siddharthttn/Assignments.git

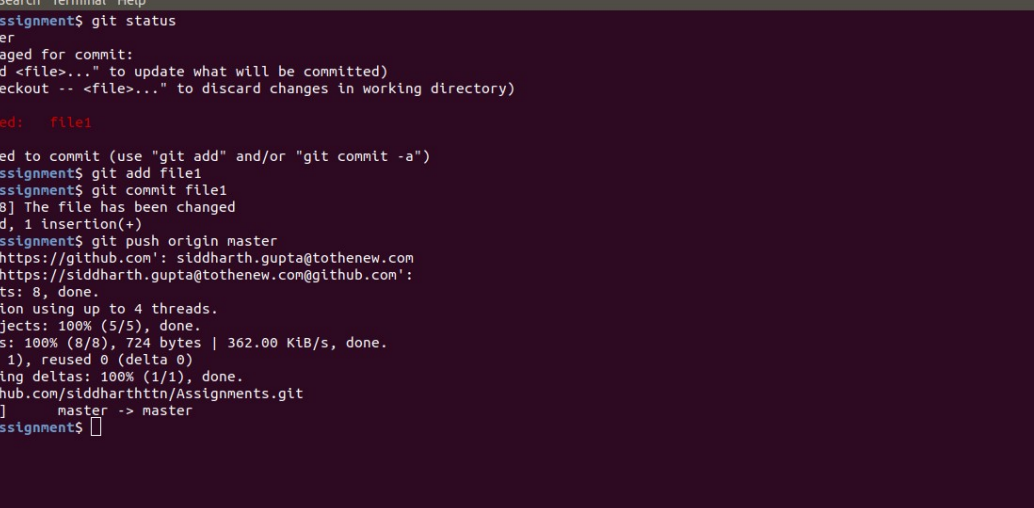
```
Activities Terminal Wed 10:22 AM ttn@ttn: ~/gitAssignment
File Edit View Search Terminal Help
-rw-r--r-- 1 root root 36 Feb 5 16:54 .mysql_history
drwxr-xr-x 2 ttn test 4096 Feb 4 15:55 Pictures/
drwx----- 3 ttn test 4096 Feb 4 23:26 .pki/
-rw-r--r-- 1 ttn test 807 Jan 30 23:40 .profile
drwxr-xr-x 2 ttn test 4096 Jan 31 05:18 Public/
drwx----- 2 ttn test 4096 Feb 5 10:33 .ssh/
-rw-r--r-- 1 ttn test 0 Feb 4 16:24 .sudo_as_admin_successful
drwxr-xr-x 2 ttn test 4096 Jan 31 05:18 Templates/
drwxr-xr-x 2 ttn test 4096 Jan 31 05:18 Videos/
-rw-r--r-- 1 ttn test 169 Feb 4 18:00 .wget-hsts
ttn@ttn:~$ cd gitAssignment/
ttn@ttn:~/gitAssignment$ ll
total 12
drwxr-xr-x 3 ttn test 4096 Feb 5 23:39 ./
drwxr-xr-x 24 ttn test 4096 Feb 6 10:08 ../
-rw-r--r-- 1 ttn test 0 Feb 5 23:39 file1
-rw-r--r-- 1 ttn test 0 Feb 5 23:39 file2
-rw-r--r-- 1 ttn test 0 Feb 5 23:39 file3
-rw-r--r-- 1 ttn test 0 Feb 5 23:39 file4
-rw-r--r-- 1 ttn test 0 Feb 5 23:39 file5
drwxr-xr-x 8 ttn test 4096 Feb 5 23:54 .git/
ttn@ttn:~/gitAssignment$ git add remote origin https://github.com/siddharthttn/Assignments.git
fatal: pathspec 'remote' did not match any files
ttn@ttn:~/gitAssignment$ git remote add origin https://github.com/siddharthttn/Assignments.git
ttn@ttn:~/gitAssignment$ ll
total 12
drwxr-xr-x 3 ttn test 4096 Feb 5 23:39 ./
drwxr-xr-x 24 ttn test 4096 Feb 6 10:08 ../
-rw-r--r-- 1 ttn test 0 Feb 5 23:39 file1
-rw-r--r-- 1 ttn test 0 Feb 5 23:39 file2
-rw-r--r-- 1 ttn test 0 Feb 5 23:39 file3
-rw-r--r-- 1 ttn test 0 Feb 5 23:39 file4
-rw-r--r-- 1 ttn test 0 Feb 5 23:39 file5
drwxr-xr-x 8 ttn test 4096 Feb 6 10:22 .git/
ttn@ttn:~/gitAssignment$
```

Ans 7

```
Activities Terminal Wed 2:10 PM ttn@ttn: ~/gitAssignment
File Edit View Search Terminal Help
ttn@ttn:~/gitAssignment$ cat file1
total 0
-rw-r--r-- 1 ttn test 0 Feb 6 14:09 file1
-rw-r--r-- 1 ttn test 0 Feb 5 23:39 file2
-rw-r--r-- 1 ttn test 0 Feb 5 23:39 file3
-rw-r--r-- 1 ttn test 0 Feb 5 23:39 file4
-rw-r--r-- 1 ttn test 0 Feb 5 23:39 file5
ttn@ttn:~/gitAssignment$ git log -1
commit 618c5139c2625616c6df904caa3442ebda411b16 (HEAD -> master)
Author: Siddharth Gupta <siddharth.gupta@tothenew.com>
Date: Wed Feb 6 14:06:57 2019 +0530

    All the files have ben committed
ttn@ttn:~/gitAssignment$ git checkout 618c5139c2625616c6df904caa3442ebda411b16 file1
ttn@ttn:~/gitAssignment$ cat file1
ttn@ttn:~/gitAssignment$
```

Ans 8



The screenshot shows a terminal window with the following content:

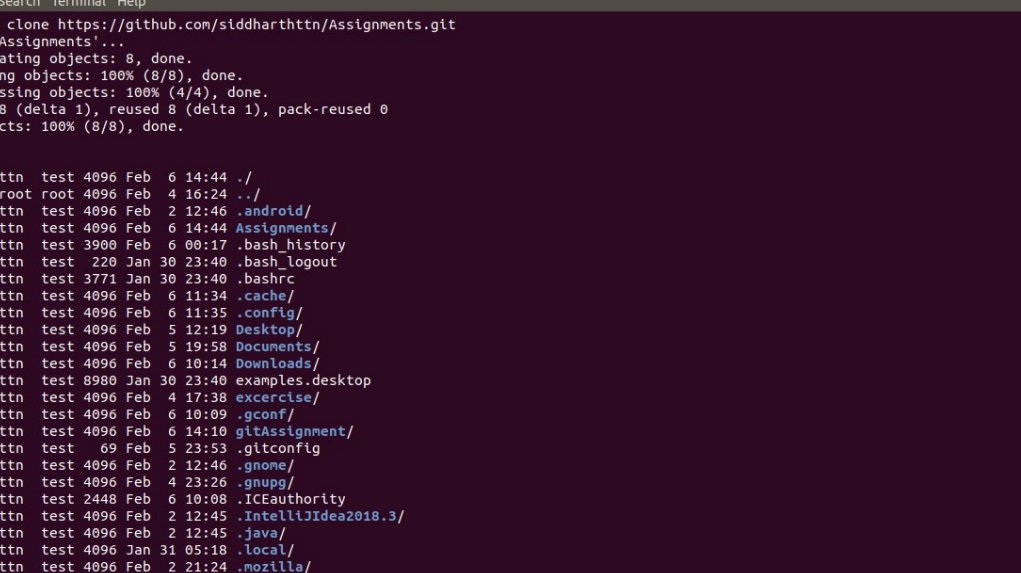
```

ttn@ttn: ~/gitAssignment$ 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:   file1

no changes added to commit (use "git add" and/or "git commit -a")
ttn@ttn:~/gitAssignment$ git add file1
ttn@ttn:~/gitAssignment$ git commit file1
[master d194818] The file has been changed
 1 file changed, 1 insertion(+)
ttn@ttn:~/gitAssignment$ git push origin master
Username for 'https://github.com': siddharth.gupta@tothenew.com
Password for 'https://siddharth.gupta@tothenew.com@github.com':
Counting objects: 8, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (5/5), done.
Writing objects: 100% (8/8), 724 bytes | 362.00 KiB/s, done.
Total 8 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/siddharthttn/Assignments.git
 * [new branch]      master -> master
ttn@ttn:~/gitAssignment$
  
```

Ans 9



The screenshot shows a terminal window with the following content:

```
ttt@ttt: ~  
File Edit View Search Terminal Help  
ttt@ttt:~$ git clone https://github.com/siddharthttt/Assignments.git  
Cloning into 'Assignments'...  
remote: Enumerating objects: 8, done.  
remote: Counting objects: 100% (8/8), done.  
remote: Compressing objects: 100% (4/4), done.  
remote: Total 8 (delta 1), reused 8 (delta 1), pack-reused 0  
Unpacking objects: 100% (8/8), done.  
ttt@ttt:~$ ll  
total 148  
drwxr-xr-x 26 ttn test 4096 Feb 6 14:44 ./  
drwxr-xr-x 5 root root 4096 Feb 4 16:24 ../  
drwxr-xr-x 2 ttn test 4096 Feb 2 12:46 .android/  
drwxr-xr-x 3 ttn test 4096 Feb 6 14:44 Assignments/  
-rw-r--r-- 1 ttn test 3900 Feb 6 00:17 .bash_history  
-rw-r--r-- 1 ttn test 220 Jan 30 23:40 .bash_logout  
-rw-r--r-- 1 ttn test 3771 Jan 30 23:40 .bashrc  
drwx----- 18 ttn test 4096 Feb 6 11:34 .cache/  
drwx----- 20 ttn test 4096 Feb 6 11:35 .config/  
drwxr-xr-x 5 ttn test 4096 Feb 5 12:19 Desktop/  
drwxr-xr-x 4 ttn test 4096 Feb 5 19:58 Documents/  
drwxr-xr-x 2 ttn test 4096 Feb 6 10:14 Downloads/  
-rw-r--r-- 1 ttn test 8980 Jan 30 23:40 examples.desktop  
drwxr-xr-x 3 ttn test 4096 Feb 4 17:38 exercise/  
drwx----- 2 ttn test 4096 Feb 6 10:09 .gconf/  
drwxr-xr-x 3 ttn test 4096 Feb 6 14:10 gitAssignment/  
-rw-r--r-- 1 ttn test 69 Feb 5 23:53 .gitconfig  
drwx----- 3 ttn test 4096 Feb 2 12:46 .gnome/  
drwx----- 3 ttn test 4096 Feb 4 23:26 .gnupg/  
-rw-r--r-- 1 ttn test 2448 Feb 6 10:08 .ICEauthority  
drwxr-xr-x 4 ttn test 4096 Feb 2 12:45 .IntelliJIdea2018.3/  
drwxr-xr-x 4 ttn test 4096 Feb 2 12:45 .java/  
drwx----- 3 ttn test 4096 Jan 31 05:18 .local/  
drwx----- 5 ttn test 4096 Feb 2 21:24 .mozilla/  
drwxr-xr-x 2 ttn test 4096 Jan 31 05:18 Music/  
-rw-r--r-- 1 root root 36 Feb 5 16:54 .mysql_history  
drwxr-xr-x 3 ttn test 4096 Feb 4 16:55 .pip
```

```
Activities Terminal Wed 2:45 PM ttn@ttn: ~/Assignments
File Edit View Search Terminal Help
drwxr-xr-x 3 ttn test 4096 Feb 4 17:38 excercise/
drwx----- 2 ttn test 4096 Feb 6 10:09 .gconf/
drwxr-xr-x 3 ttn test 4096 Feb 6 14:10 gitAssignment/
-rw-r--r-- 1 ttn test 69 Feb 5 23:53 .gitconfig
drwx----- 3 ttn test 4096 Feb 2 12:46 .gnome/
drwx----- 3 ttn test 4096 Feb 4 23:26 .gnupg/
-rw----- 1 ttn test 2448 Feb 6 10:08 .ICEauthority
drwxr-xr-x 4 ttn test 4096 Feb 2 12:45 .IntelliJidea2018.3/
drwxr-xr-x 4 ttn test 4096 Feb 2 12:45 .java/
drwx----- 3 ttn test 4096 Jan 31 05:18 .local/
drwx----- 5 ttn test 4096 Feb 2 21:24 .mozilla/
drwxr-xr-x 2 ttn test 4096 Jan 31 05:18 Music/
-rw----- 1 root root 36 Feb 5 16:54 .mysql_history
drwxr-xr-x 2 ttn test 4096 Feb 4 15:55 Pictures/
drwx----- 3 ttn test 4096 Feb 4 23:26 .pki/
-rw-r--r-- 1 ttn test 807 Jan 30 23:40 .profile
drwxr-xr-x 2 ttn test 4096 Jan 31 05:18 Public/
drwx----- 2 ttn test 4096 Feb 5 10:33 .ssh/
-rw-r--r-- 1 ttn test 0 Feb 4 16:24 .sudo_as_admin_successful
drwxr-xr-x 2 ttn test 4096 Jan 31 05:18 Templates/
drwx----- 4 ttn test 4096 Feb 6 10:59 .thunderbird/
drwxr-xr-x 2 ttn test 4096 Jan 31 05:18 Videos/
-rw-r--r-- 1 ttn test 169 Feb 4 18:00 .wget-hsts
ttn@ttn:~$ cd Assignments/
ttn@ttn:~/Assignments$ ll
total 16
drwxr-xr-x 3 ttn test 4096 Feb 6 14:44 ./
drwxr-xr-x 26 ttn test 4096 Feb 6 14:44 ../
-rw-r--r-- 1 ttn test 35 Feb 6 14:44 file1
-rw-r--r-- 1 ttn test 0 Feb 6 14:44 file2
-rw-r--r-- 1 ttn test 0 Feb 6 14:44 file3
-rw-r--r-- 1 ttn test 0 Feb 6 14:44 file4
-rw-r--r-- 1 ttn test 0 Feb 6 14:44 file5
drwxr-xr-x 8 ttn test 4096 Feb 6 14:44 .git/
ttn@ttn:~/Assignments$
```

Ans 10

```
Activities Terminal Wed 3:47 PM ttn@ttn: ~/clonedRepo/Assignments
File Edit View Search Terminal Help
ttn@ttn:~/Assignments$ echo "These are the new changes made to file 2" >> file2
ttn@ttn:~/Assignments$ echo file2
file2
ttn@ttn:~/Assignments$ cat file2
These are the new changes made to file 2
ttn@ttn:~/Assignments$ git status
On branch master
Your branch is up to date with 'origin/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:   file2

no changes added to commit (use "git add" and/or "git commit -a")
ttn@ttn:~/Assignments$ git add .
ttn@ttn:~/Assignments$ git commit
[master cad6495] Added to one repo
1 file changed, 1 insertion(+)
ttn@ttn:~/Assignments$ git push
fatal: unable to access 'https://github.com/siddharthttn/Assignments.git/': Could not resolve host: github.com
ttn@ttn:~/Assignments$ git pull
Already up to date.
ttn@ttn:~/Assignments$ git push
Username for 'https://github.com': siddharth.gupta@tothenew.com
Password for 'https://siddharth.gupta@tothenew.com@github.com':
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 322 bytes | 322.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/siddharthttn/Assignments.git
   d194818..cad6495  master -> master
```



```
Activities Terminal Wed 3:47 PM ttn@ttn: ~/clonedRepo/Assignments

File Edit View Search Terminal Help
Already up to date.
ttn@ttn:~/Assignments$ git push
Username for 'https://github.com': siddharth.gupta@tothenew.com
Password for 'https://siddharth.gupta@tothenew.com@github.com':
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 322 bytes | 322.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/siddharthttn/Assignments.git
   d194818..cad6495 master -> master
ttn@ttn:~/Assignments$ cd ..
ttn@ttn:~$ cd clonedRepo/
ttn@ttn:~/clonedRepo$ ll
total 12
drwxr-xr-x  3 ttn test 4096 Feb  6 15:43 ./
drwxr-xr-x 27 ttn test 4096 Feb  6 15:42 ../
drwxr-xr-x  3 ttn test 4096 Feb  6 15:43 Assignments/
ttn@ttn:~/clonedRepo$ cd Assignments/
ttn@ttn:~/clonedRepo/Assignments$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 3 (delta 1), reused 3 (delta 1), pack-reused 0
Unpacking objects: 100% (3/3), done.
From https://github.com/siddharthttn/Assignments
   d194818..cad6495 master   -> origin/master
Updating d194818..cad6495
Fast-forward
   file2 | 1 +
   1 file changed, 1 insertion(+)
ttn@ttn:~/clonedRepo/Assignments$ cat file2
These are the new changes made to file 2
ttn@ttn:~/clonedRepo/Assignments$
```

Ans 11

```
Activities Terminal Wed 4:01 PM ttn@ttn: ~/clonedRepo/Assignments

File Edit View Search Terminal Help
Fast-forward
   file2 | 1 +
   1 file changed, 1 insertion(+)
ttn@ttn:~/clonedRepo/Assignments$ cat file2
These are the new changes made to file 2
ttn@ttn:~/clonedRepo/Assignments$ clear

ttn@ttn:~/clonedRepo/Assignments$ echo "These are the changes made to file 2" >> file3
ttn@ttn:~/clonedRepo/Assignments$ git status
On branch master
Your branch is up to date with 'origin/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:   file3

no changes added to commit (use "git add" and/or "git commit -a")
ttn@ttn:~/clonedRepo/Assignments$ git add .
ttn@ttn:~/clonedRepo/Assignments$ git status
On branch master
Your branch is up to date with 'origin/master'.

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

       modified:   file3

ttn@ttn:~/clonedRepo/Assignments$ git diff --staged
diff --git a/file3 b/file3
index e69de29..e94d276 100644
--- a/file3
+++ b/file3
@@ -0,0 +1 @@
+These are the changes made to file 2
```

Ans 12

```
Activities Terminal Wed 4:07 PM ttn@ttn: ~/clonedRepo/Assignments

File Edit View Search Terminal Help
ttn@ttn:~/clonedRepo/Assignments$ touch .gitignore
ttn@ttn:~/clonedRepo/Assignments$ touch file6
ttn@ttn:~/clonedRepo/Assignments$ echo "file6" >> .
ttn@ttn:~/clonedRepo/Assignments$ ll
total 28
drwxr-xr-x 3 ttn test 4096 Feb  6 16:03 ./
drwxr-xr-x 3 ttn test 4096 Feb  6 15:43 ../
-rw-r--r-- 1 ttn test  35 Feb  6 15:43 file1
-rw-r--r-- 1 ttn test  41 Feb  6 15:46 file2
-rw-r--r-- 1 ttn test  55 Feb  6 15:57 file3
-rw-r--r-- 1 ttn test   0 Feb  6 15:43 file4
-rw-r--r-- 1 ttn test   0 Feb  6 15:43 file5
-rw-r--r-- 1 ttn test   0 Feb  6 16:03 file6
drwxr-xr-x 8 ttn test 4096 Feb  6 15:57 .git/
-rw-r--r-- 1 ttn test   6 Feb  6 16:03 .gitignore
ttn@ttn:~/clonedRepo/Assignments$ git add .
ttn@ttn:~/clonedRepo/Assignments$ git commit
[master 66b9901] .gitignore file is pushed to the server
2 files changed, 3 insertions(+)
create mode 100644 .gitignore
ttn@ttn:~/clonedRepo/Assignments$ git push
Username for 'https://github.com': siddharth.gupta@tothenew.com
Password for 'https://siddharth.gupta@tothenew.com@github.com':
Counting objects: 4, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 451 bytes | 451.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0)
To https://github.com/siddharthttn/Assignments.git
   cad6495..66b9901 master -> master
ttn@ttn:~/clonedRepo/Assignments$ git status
On branch master
Your branch is up to date with 'origin/master'.
```

```
Activities Terminal Wed 4:07 PM ttn@ttn: ~/clonedRepo/Assignments

File Edit View Search Terminal Help
drwxr-xr-x 8 ttn test 4096 Feb  6 15:57 .git/
-rw-r--r-- 1 ttn test   6 Feb  6 16:03 .gitignore
ttn@ttn:~/clonedRepo/Assignments$ git add .
ttn@ttn:~/clonedRepo/Assignments$ git commit
[master 66b9901] .gitignore file is pushed to the server
2 files changed, 3 insertions(+)
create mode 100644 .gitignore
ttn@ttn:~/clonedRepo/Assignments$ git push
Username for 'https://github.com': siddharth.gupta@tothenew.com
Password for 'https://siddharth.gupta@tothenew.com@github.com':
Counting objects: 4, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 451 bytes | 451.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0)
To https://github.com/siddharthttn/Assignments.git
   cad6495..66b9901 master -> master
ttn@ttn:~/clonedRepo/Assignments$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
ttn@ttn:~/clonedRepo/Assignments$ cat .git
.git/
.gitignore
ttn@ttn:~/clonedRepo/Assignments$ cat .gitignore
file6
ttn@ttn:~/clonedRepo/Assignments$ cat >>file6
this is text
^C
ttn@ttn:~/clonedRepo/Assignments$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
ttn@ttn:~/clonedRepo/Assignments$
```


Ans 13

```
Activities Terminal Wed 4:12 PM ttn@ttn: ~/clonedRepo/Assignments
File Edit View Search Terminal Help
ttn@ttn:~/clonedRepo/Assignments$ git branch newBranch
ttn@ttn:~/clonedRepo/Assignments$ git branch newBranch1
ttn@ttn:~/clonedRepo/Assignments$
```

Ans 14

```
Activities Terminal Wed 4:20 PM ttn@ttn: ~/clonedRepo/Assignments
File Edit View Search Terminal Help
ttn@ttn:~/clonedRepo/Assignments$ git add
Nothing specified, nothing added.
Maybe you wanted to say 'git add .'
ttn@ttn:~/clonedRepo/Assignments$ git add .
ttn@ttn:~/clonedRepo/Assignments$ git commit
On branch newBranch
nothing to commit, working tree clean
ttn@ttn:~/clonedRepo/Assignments$ echo "Changes made from Branch 1" >> file5
ttn@ttn:~/clonedRepo/Assignments$ git add .
ttn@ttn:~/clonedRepo/Assignments$ git commit
[newBranch f29a25f] Branch 1 Commir
 1 file changed, 1 insertion(+)
ttn@ttn:~/clonedRepo/Assignments$ git checkout newBranch1
Switched to branch 'newBranch1'
ttn@ttn:~/clonedRepo/Assignments$ cat file5
ttn@ttn:~/clonedRepo/Assignments$ echo "Changes made from Branch 1" >> file5
ttn@ttn:~/clonedRepo/Assignments$ git add .
ttn@ttn:~/clonedRepo/Assignments$ git commit -m Changes made from branch 2
error: pathspec 'made' did not match any file(s) known to git.
error: pathspec 'from' did not match any file(s) known to git.
error: pathspec 'branch' did not match any file(s) known to git.
error: pathspec '2' did not match any file(s) known to git.
ttn@ttn:~/clonedRepo/Assignments$ git commit -m "Changes made from branch 2"
[newBranch1 c8e45d3] Changes made from branch 2
 1 file changed, 1 insertion(+)
ttn@ttn:~/clonedRepo/Assignments$ git log --graph --oneline --all
* c8e45d3 (HEAD -> newBranch1) Changes made from branch 2
* f29a25f (newBranch) Branch 1 Commir
/
* 66b9901 (origin/master, origin/HEAD, master) .gitignore file is pushed to the server
* cad6495 Added to one repo
* d194818 The file has been changed
* 618c513 All the files have ben committed
* 95738e7 File1 is committed
ttn@ttn:~/clonedRepo/Assignments$
```

Ans 15

```
Activities Terminal Wed 4:22 PM ttn@ttn: ~/clonedRepo/Assignments

File Edit View Search Terminal Help

ttn@ttn:~/clonedRepo/Assignments$ git add
Nothing specified, nothing added.
Maybe you wanted to say 'git add .'
ttn@ttn:~/clonedRepo/Assignments$ git add .
ttn@ttn:~/clonedRepo/Assignments$ git commit
On branch newBranch
nothing to commit, working tree clean
ttn@ttn:~/clonedRepo/Assignments$ echo "Changes made from Branch 1" >> file5
ttn@ttn:~/clonedRepo/Assignments$ git add .
ttn@ttn:~/clonedRepo/Assignments$ git commit
[newBranch f29a25f] Branch 1 Commit
1 file changed, 1 insertion(+)
ttn@ttn:~/clonedRepo/Assignments$ git checkout newBranch1
Switched to branch 'newBranch1'
ttn@ttn:~/clonedRepo/Assignments$ cat file5
ttn@ttn:~/clonedRepo/Assignments$ echo "Changes made from Branch 1" >> file5
ttn@ttn:~/clonedRepo/Assignments$ git add .
ttn@ttn:~/clonedRepo/Assignments$ git commit -m Changes made from branch 2
error: pathspec 'made' did not match any file(s) known to git.
error: pathspec 'from' did not match any file(s) known to git.
error: pathspec 'branch' did not match any file(s) known to git.
error: pathspec '2' did not match any file(s) known to git.
ttn@ttn:~/clonedRepo/Assignments$ git commit -m "Changes made from branch 2"
[newBranch1 c8e45d3] Changes made from branch 2
1 file changed, 1 insertion(+)
ttn@ttn:~/clonedRepo/Assignments$ git log --graph --oneline --all
* c8e45d3 (HEAD -> newBranch1) Changes made from branch 2
* f29a25f (newBranch) Branch 1 Commit
/
* 60b9901 (origin/master, origin/HEAD, master) .gitignore file is pushed to the server
* cad6495 Added to one repo
* d194818 The file has been changed
* 618c513 All the files have ben committed
* 95738e7 File1 is committed
ttn@ttn:~/clonedRepo/Assignments$
```

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```
Activities Terminal Wed 4:46 PM ttn@ttn: ~/clonedRepo/Assignments

File Edit View Search Terminal Help

* 618c513 All the files have ben committed
* 95738e7 File1 is committed
ttn@ttn:~/clonedRepo/Assignments$ git checkout newBranch
Switched to branch 'newBranch'
ttn@ttn:~/clonedRepo/Assignments$ git merge master
Auto-merging file1
CONFLICT (content): Merge conflict in file1
Automatic merge failed; fix conflicts and then commit the result.
ttn@ttn:~/clonedRepo/Assignments$ git status
On branch newBranch
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

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

        both modified:   file1

no changes added to commit (use "git add" and/or "git commit -a")
ttn@ttn:~/clonedRepo/Assignments$ vim file
ttn@ttn:~/clonedRepo/Assignments$ vim file1
ttn@ttn:~/clonedRepo/Assignments$ git status
On branch newBranch
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

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

        both modified:   file1

no changes added to commit (use "git add" and/or "git commit -a")
ttn@ttn:~/clonedRepo/Assignments$ git commit -am "merge conflict resolved"
[newBranch 737ea7e] merge conflict resolved
```

```
Activities Terminal Wed 4:44 PM ttn@ttn: ~/clonedRepo/Assignments
File Edit View Search Terminal Help
Changes have been made to the file
<<<<<< HEAD
this is a file
=====
This is a line made by me
>>>>>> master

"file1" 6L, 112C 3,12 All
```

```
Activities Terminal Wed 4:46 PM ttn@ttn: ~/clonedRepo/Assignments
File Edit View Search Terminal Help
(use "git merge --abort" to abort the merge)

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

    both modified:   file1

no changes added to commit (use "git add" and/or "git commit -a")
ttn@ttn:~/clonedRepo/Assignments$ git commit -am "merge conflict resolved"
[newBranch 737ea7e] merge conflict resolved
ttn@ttn:~/clonedRepo/Assignments$ git log --graph --oneline --all
* 737ea7e (HEAD -> newBranch) merge conflict resolved
* 8da623e (master) file1 modified
* a8f7541 file1 modified
* 0fce392 Merge branch 'newBranch1' into newBranch
* 6b41183 (newBranch1) new commit
* 23e2c72 New changes
* 5c65ae2 New
* be80c42 New Changes made
* 5d02c76 Made from branch 2
* dc9e214 Merge branch 'newBranch' into newBranch1
* f29a25f Branch 1 Commir
* c8e45d3 Changes made from branch 2
* 66b9901 (origin/master, origin/HEAD) .gitignore file is pushed to the server
* cad6495 Added to one repo
* d194818 The file has been changed
* 618c513 All the files have ben committed
* 95738e7 File1 is committed
ttn@ttn:~/clonedRepo/Assignments$
```

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```
Activities Terminal Wed 4:50 PM ttn@ttn: ~/clonedRepo/Assignments
File Edit View Search Terminal Help
ttn@ttn:~/clonedRepo/Assignments$ git branch
master
* newBranch
  newBranch1
ttn@ttn:~/clonedRepo/Assignments$ echo "CHanges made" >> file4
ttn@ttn:~/clonedRepo/Assignments$ git checkout newBranch1
M   file4
Switched to branch 'newBranch1'
ttn@ttn:~/clonedRepo/Assignments$ git status
On branch newBranch1
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:   file4

no changes added to commit (use "git add" and/or "git commit -a")
ttn@ttn:~/clonedRepo/Assignments$ cat file4
CHanges made
ttn@ttn:~/clonedRepo/Assignments$
```

Changes passed to new branch without using stash

```
Activities Terminal Wed 5:04 PM ttn@ttn: ~/clonedRepo/Assignments
File Edit View Search Terminal Help
ttn@ttn:~/clonedRepo/Assignments$ git status
On branch newBranch1
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:   file3
    modified:   file4

no changes added to commit (use "git add" and/or "git commit -a")
ttn@ttn:~/clonedRepo/Assignments$ git stash
Saved working directory and index state WIP on newBranch1: 6b41183 new commit
ttn@ttn:~/clonedRepo/Assignments$ git status
On branch newBranch1
nothing to commit, working tree clean
ttn@ttn:~/clonedRepo/Assignments$ git checkout newBranch
Switched to branch 'newBranch'
ttn@ttn:~/clonedRepo/Assignments$ cat file4
These are the changes made to file 2
This is something
ttn@ttn:~/clonedRepo/Assignments$ git checkout newBranch1
Switched to branch 'newBranch1'
ttn@ttn:~/clonedRepo/Assignments$ cat file3
These are the changes made to file 2
This is something
ttn@ttn:~/clonedRepo/Assignments$ cat file4
ttn@ttn:~/clonedRepo/Assignments$ git stash pop
On branch newBranch1
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:   file3
    modified:   file4
```


Activities Terminal Wed 5:15 PM

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ttn@ttn:~\$ git branch

```
master
newBranch
* newBranch1
```

ttn@ttn:Assignments (newBranch1)\$ git checkout newBranch

Switched to branch 'newBranch'

ttn@ttn:Assignments (newBranch)\$