

Q8 Push changes to Github

```
ttn@ttn:~/temp/projects/project1$ git remote add origin git@github.com:WaseemWani/assignment1.git
fatal: remote origin already exists.
ttn@ttn:~/temp/projects/project1$ git push -u origin master
Username for 'https://github.com': waseemwani
Password for 'https://waseemwani@github.com':
Counting objects: 6, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 484 bytes | 484.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0)
To https://github.com/WaseemWani/assignment1.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
```

2 commits1 branch0 releases0 contributors

Branch: masterNew pull requestCreate new fileUpload filesFind fileClone or download

waseem wani first commit

Latest commit 60c3926 3 minutes ago

file1	first commit	3 minutes ago
file2	first commit	3 minutes ago
readme	Added readme file	7 hours ago

Help people interested in this repository understand your project by adding a README.

Add a README

Q9. cloning a git repository

```
ttn@ttn:~/temp/projects$ cd project2
ttn@ttn:~/temp/projects/project2$ git clone git@github.com:WaseemWani/assignment1.git
Cloning into 'assignment1'...
```

Q13. Creating a new branch

```
ttn@ttn:~/temp/projects/project1$ git branch
* master
ttn@ttn:~/temp/projects/project1$ git branch master2

Command 'branch' not found, but can be installed with:
sudo apt install rheolef

ttn@ttn:~/temp/projects/project1$ git branch development
ttn@ttn:~/temp/projects/project1$ git branch
* master
ttn@ttn:~/temp/projects/project1$
```

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

```
ttn@ttn:~/temp/projects/project1$ vi file2
ttn@ttn:~/temp/projects/project1$ git add .
ttn@ttn:~/temp/projects/project1$ git commit -m "changes made to file2 committed"
[master 064640a] changes made to file2 committed
1 file changed, 1 insertion(+)
ttn@ttn:~/temp/projects/project1$ git checkout development
Switched to branch 'development'
ttn@ttn:~/temp/projects/project1$ vi file2
ttn@ttn:~/temp/projects/project1$ git commit -m "changes made to file2 at both the branches committed"
On branch development
Changes not staged for commit:
  modified:   file2

no changes added to commit
ttn@ttn:~/temp/projects/project1$ git add .
ttn@ttn:~/temp/projects/project1$ git commit -m "changes made to file2 at both the branches committed"
[development ac5ef68] changes made to file2 at both the branches committed
1 file changed, 2 insertions(+)
ttn@ttn:~/temp/projects/project1$ git log
commit ac5ef68dbc29e0ddf77d7471a7203d818172a604 (HEAD -> development)
Author: waseem wani <waseem.ahmed@tothenew.com>
Date:   Tue Feb 5 23:38:18 2019 +0530

    changes made to file2 at both the branches committed

commit 60c392601f3f2e33969f8c4fb3c16c469c4af3d5 (origin/master)
Author: waseem wani <waseem.ahmed@tothenew.com>
Date:   Tue Feb 5 22:59:34 2019 +0530

    first commit

commit f9b837fa4472a902eea0474afe4c451b7f25d84a
Author: waseem wani <waseem.ahmed@tothenew.com>
Date:   Tue Feb 5 16:18:36 2019 +0530

    Added readme file
```

Q 16. merge conflict

```
ttn@ttn:~/temp/projects/project1$ git add .
ttn@ttn:~/temp/projects/project1$ git commit -m "another commit at dev branch"
[development cd62af6] another commit at dev branch
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file3
ttn@ttn:~/temp/projects/project1$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)
ttn@ttn:~/temp/projects/project1$ git merge development
Auto-merging file2
CONFLICT (content): Merge conflict in file2
Automatic merge failed; fix conflicts and then commit the result.
ttn@ttn:~/temp/projects/project1$ git checkout master
file2: needs merge
error: you need to resolve your current index first
```

Q1 – Q5

```
ttn@ttn:~/temp$ cd projects/project1
ttn@ttn:~/temp/projects/project1$ git init
Reinitialized existing Git repository in /home/ttn/temp/projects/project1/.git/
ttn@ttn:~/temp/projects/project1$ touch file1
ttn@ttn:~/temp/projects/project1$ touch file2
ttn@ttn:~/temp/projects/project1$ git add .
ttn@ttn:~/temp/projects/project1$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

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

        modified:   file2
        new file:   file3

ttn@ttn:~/temp/projects/project1$ git rm --cached file1
rm 'file1'
ttn@ttn:~/temp/projects/project1$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

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

        modified:   file2
        renamed:   file1 -> file3
```

```
ttn@ttn:~/temp/projects/project1$ git commit -m "added file2"
master e7dada1] added file2
2 files changed, 8 insertions(+)
rename file1 => file3 (100%)
ttn@ttn:~/temp/projects/project1$
```

Q9. cloning repository

```
ttn@ttn:~/temp/projects$ cd project2
ttn@ttn:~/temp/projects/project2$ git clone git@github.com:WaseemWani/assignment
.git
Cloning into 'assignment1'...
The authenticity of host 'github.com (192.30.253.113)' can't be established.
RSA key fingerprint is SHA256:nThbg6kXUpJWGL7E1IGOCspRomTxdCARLviKw6E5SY8.
Are you sure you want to continue connecting (yes/no)? y
Please type 'yes' or 'no': y
Please type 'yes' or 'no': y
Please type 'yes' or 'no': yes
Warning: Permanently added 'github.com,192.30.253.113' (RSA) to the list of known
hosts.
remote: Enumerating objects: 15, done.
remote: Counting objects: 100% (15/15), done.
remote: Compressing objects: 100% (13/13), done.
receiving objects: 100% (15/15), done.
Resolving deltas: 100% (1/1), done.
remote: Total 15 (delta 1), reused 14 (delta 0), pack-reused 0
ttn@ttn:~/temp/projects/project2$
```

Q11. Diff. Between file and staged version

```
ttn@ttn:~/temp/projects/project1$ touch file4
ttn@ttn:~/temp/projects/project1$ vi file4
ttn@ttn:~/temp/projects/project1$ git add file4
ttn@ttn:~/temp/projects/project1$ git diff
ttn@ttn:~/temp/projects/project1$ vi file4
ttn@ttn:~/temp/projects/project1$ git diff
diff --git a/file4 b/file4
index 8739535..440d9e8 100644
--- a/file4
+++ b/file4
@@ -1,3 +1,4 @@
 line1
+addingbnew line
 line 2
 lin3
ttn@ttn:~/temp/projects/project1$
```

Q 12. git ignore

```
ttn@ttn:~/temp/projects/project1$ cd .gitignore
bash: cd: .gitignore: No such file or directory
ttn@ttn:~/temp/projects/project1$ touch .gitignore
ttn@ttn:~/temp/projects/project1$ vi .gitignore
ttn@ttn:~/temp/projects/project1$ 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)

        new file:   file1
        new file:   file4

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
```

```
ttn@ttn:~/temp/projects/project1$ touch file.txt
ttn@ttn:~/temp/projects/project1$ git add file5
fatal: pathspec 'file5' did not match any files
ttn@ttn:~/temp/projects/project1$ git add file5.txt
fatal: pathspec 'file5.txt' did not match any files
ttn@ttn:~/temp/projects/project1$ git add file.txt
The following paths are ignored by one of your .gitignore files:
file.txt
Use -f if you really want to add them.
ttn@ttn:~/temp/projects/project1$
```