

Git / Github

1. Configure Name and E-mail in Git

```
$ git config --global user.name  
Manzar
```

```
$ git config --global user.email  
manzarabbas@gmail.com
```

2. init command:

```
$ git init
```

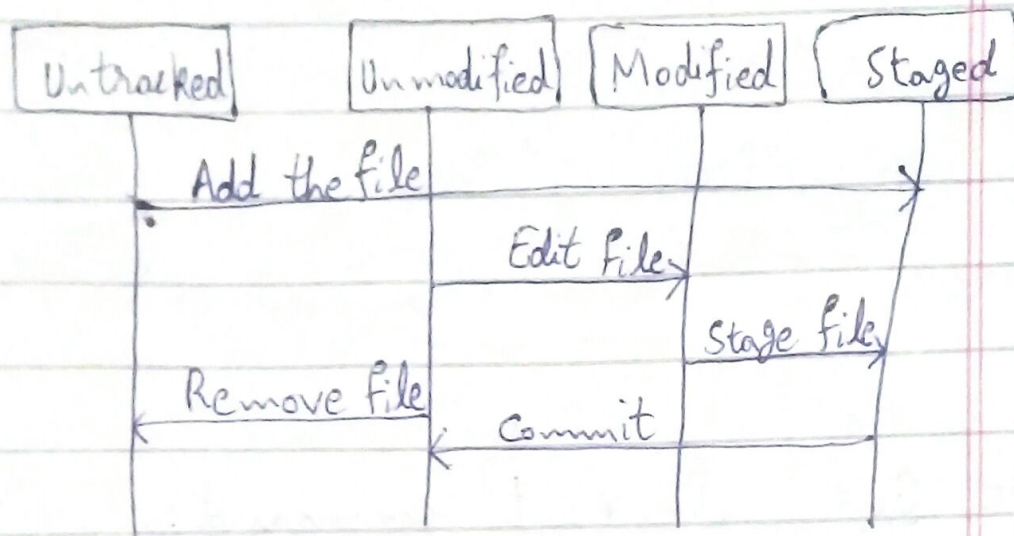
(Initialized empty git repository in specific path.)

```
$ git status
```

(show status about the files.)

Nothing added to commit
but untracked files present
(use "git add" to track)

3. Untracked & Staged file:



\$ git add index.html
(Add file to staged area)

\$ git commit
(commit the file)

Now a screen open
press I write commit
message ie. initialize commit
Now press ESC writ :wq
to exit.

\$ git Add -A
(Add All files to
Staged area).

\$ git commit -m "Add more
htmls"

(Shasent to commit files)

\$ touch index.html
(create file)

4. Git checkout command:

\$ git checkout contact.html
(matched file with last
commit).

\$ git checkout -f
(matched All file with
last commit).

5. Git log command:

\$ git log
(Show details about
the person who commit)

\$ git log -P -1 (No. of commit)
(Show details about no. of
commit used last time).

6. Git diff command:

\$ git diff
(compare working
directory to staging area)

\$ git diff --staged
(compare staging with
last commit)

\$ git commit -a -m
(skipped staging area
and fixed).

\$ ls (list all files).

7. Removing file

\$ git rm
(Remove the file)

\$ git rm --cached
(Remove file from staged
cached area).

\$ git status -s (short status)

8. Git ignore Command

\$ touch .gitignore
(create file with name
gitignore.)

(Used to ignore
tracked files.)

ie
my log.log (in file .gitignore)
(will ignore my log.log)

/my log.log
(ignore only from root folder)

*.log
(ignore all .log files)
ignore/
(ignore the folder)

9. Branches:-

git branch feature1
(create feature1 branch)

\$ git branch
(show all branch)

ie. feature1

master (main branch)

\$ git checkout feature1
(switch to branch feature1)

\$ git merge feature1
(merge feature1 with
master branch).

\$ git checkout -b flask
(create and switch to
flask branch).

10. GitHub Remote Repository

\$ git remote add origin
url

(Add remote url named origin)

\$ git remote
origin

```
$ git remote -v
origin    Url    (fetch)
origin    Url    (push)
(show fetch and push
Url).
```

```
$ git push origin master
```

(says repository not found)

fix setup:-

Go to → Setting > SSH and GPG
Key > generating SSH key
> Adding a new SSH key
to your github.

→ copy Ssh-keygen and
paste to git bash
→ write Y for (yes).

→ copy and paste eval \$eval
\$(ssh-agent -s) to git bash
Agent pid 3856 is found

→ paste cat ~/.ssh/id_rsa.pub
to git bash

→ copy ssh key paste to
new ssh key gene press
Add ssh key button.

11. Push command:

\$ git push -u origin master
(press Y to push
to github)

\$ git push -u origin flask

(push flask branch to
git hub).

12. Git clone Command:

\$ git clone url