

Version control system – Git

○ Basic remote operations:-

- 1] Create (Signup) GitHub account by visiting <https://github.com/>
- 2] Create new repository as “TestRepo”.
- 3] Add remote on to your local repository and name it as ‘Origin’.
- 4] Display all remote names with their details.
- 5] Now create a new file as ‘RemoteFile.txt’ on **remote** repository, make 1 commit by making following change in the RemoteFile.txt

Add changes to file as:-

Change1 – commit with message as “Change1 in RemoteFile”

And if you check the log on **remote** it should display in following manner:-

Change1 in RemoteFile

Note: - If you check log on local there will be no commits which are made on remote.

- 6] Fetch remote ‘Origin’ to synch up with remote.

- 7] Finally merge the remote changes to local master.

- 8] Now, make 1 more commit on **remote (GitHub)** by making following change in the RemoteFile.txt

Add changes to file as:-

Change2 – commit with message as “Change2 in RemoteFile”

And if you check the log on **remote** it should display in following manner:-

Change2 in RemoteFile

Change1 in RemoteFile

- 9] Use Pull to take these recent changes to local.

- 10] Now, make 2 new commits on **local** by making following change in the RemoteFile.txt

Add changes to file as:-

Change3 – commit with message as “Change3 in RemoteFile”

Change4 – commit with message as “Change4 in RemoteFile”

And if you check the log on **local** it should display in following manner:-

Change4 in RemoteFile

Change3 in RemoteFile

Change2 in RemoteFile

Change1 in RemoteFile

11] Push these recent changes to remote.

12] Take a copy (Clone) of remote repository to your local machine on different drive or folder.

13] Rename remote branch 'Origin' to 'RemoteBranch'.