

Version control system – Git

○ Basic local operations : -

1] Create a new local git repository on to your machine and configure it for

user.name and user.email attribute.

2] Create below files in directory– File1.txt, IgnoreFile.txt and FileToDelete.txt, now start tracking only the File1.txt and FileToDelete.txt, and ignore the IgnoreFile.txt by using .gitignore.

3] Commit these changes to repository.

Use commit message as “This is First Commit, Tracking File1 and FileToDelete”

Note: - only File1.txt and FileToDelete.txt should be tracked and not the IgnoreFile.txt

4] Make 2 more commits by making following changes in the File1.txt

Add changes to file as:-

Change1 – commit with message as “Change1 in File1”

Change2 – commit with message as “Change2 in File1”

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

Change2 in File1

Change1 in File1

This is First Commit, Tracking File1 and FileToDelete

5] Delete the FileToDelete.txt file from directory and commit with message as “FileToDelete is deleted”

6] Display logs with below filter condition:-

- Show all the commit logs.
- Show last three logs in one line
- Show only commits that occur between from date and to date
- Show only those commit message that contains “File1” as in commits.

7] Permanently undo a “FileToDelete is deleted” commit snapshot (performed in step 5).

8] Rename File1.txt to TestFile.txt and commit it

9] undo change made in above step 8 but retain the history log