<mark>LAB -2</mark>

<u>Git commands :-</u>

- **git init** :- This command creates a new git repository.

- **git add** :- The git add command adds a file to the git staging area.

  Eg :- if we have created a file having name hello.txt then by using command <mark>git add hello.txt</mark> it get added to the git staging area.

- **git status** :- The git status command displays the state of the working directory and the staging area.

- **git commit :-** In Git, commit is the term used for saving changes. Git does not add changes to a commit automatically. We need to indicate which file and changes need to be saved before running the Git commit command. The commit command

does not save changes in remote servers, only in the local repository of Git.

Eg :- for passing a commit we use the syntax like this git `commit -m "First commit"`

- **git log** :- git log is a utility tool to review and read a history of everything that happens to a repository.

LAB WORK :-

```
MINGW64:/c/Shantanu                                                    —  □  X

Lenovo@DESKTOP-U19GK91 MINGW64 /c/Shantanu (master)
$ ls
file1.txt  file2.txt  file3.txt  hello.txt

Lenovo@DESKTOP-U19GK91 MINGW64 /c/Shantanu (master)
$ ls -ah
./  ../  .git/  file1.txt  file2.txt  file3.txt  hello.txt

Lenovo@DESKTOP-U19GK91 MINGW64 /c/Shantanu (master)
$ git log
commit 3713258e5f02776949a0fcc0f75783cff3ad949a (HEAD -> master)
Author: Shantanu Rana <500082398@stu.upes.ac.in>
Date:   Sun Aug 15 16:45:33 2021 +0530

    Fifth Commit

commit 4e6c0aa008d9b6418c659270397c0bc9fe51bfb7
Author: Shantanu Rana <500082398@stu.upes.ac.in>
Date:   Sun Aug 15 16:43:32 2021 +0530

    Fourth Commit

commit 36672d64e0d880fe81f883bb48e8bb9194ec27f4
Author: Shantanu Rana <500082398@stu.upes.ac.in>
Date:   Sun Aug 15 16:41:53 2021 +0530

    Third commit

commit 1da0c198946bc4106deb26fc59c4a0af7d919450
Author: Shantanu Rana <500082398@stu.upes.ac.in>
Date:   Sun Aug 15 16:39:26 2021 +0530

    Second Commit

commit ccc77979d159045bfa97b67858d4c80488c1087c
Author: Shantanu Rana <500082398@stu.upes.ac.in>
Date:   Sun Aug 15 16:35:58 2021 +0530

    First commit

Lenovo@DESKTOP-U19GK91 MINGW64 /c/Shantanu (master)
$
```