**Assignment 1**

Q.1) How user can push files on github?

Ans:Steps to push files on Github

1. Initialize a Git repository using command:

-> $ git init

1. Check the status of which files and folders are new or have been edited:

-> $ git status

1. Tell Git to start tracking your files and folders:

-> $ git add .

1. Verify that everything was committed correctly:

-> $ git status

1. Save the changes you made, with a message describing what changed:

-> $ git commit -m "Initial commit"

1. On GitHub, create a new repository
2. After creating a repository, copy the git commands under the “…or push an existing repository from the command line”, and paste them into the terminal.

->  $ git remote add origin(paste path of git repository)

-> $git push –u origin master

Q.2) Which command is used to check GIT Version?

-> $ git --version

Q.3) How you can collaborate with others in github?

Steps to Collaborate with others in Github

1. First Create new your **repository.**
2. Click on setting button.
3. Go to manage access and enter your password
4. After that click on Invite Collaborators.
5. Write Email id/Username of collaborator and invite them

Q.4) How you can push updates on your repository?

While pushing updates on the repository use following commands:

1. Go to the location of working directory where we have to add or update the files in the local repository on your system. Then use following command.

$ git add .

1. then, make a local commit by.
2. -> $ git commit -m "Initial commit"
3. once you make your local commit, you can then push it to your remote GitHub fork.

-> $git push –u origin master

But if you want to pull your changes from the forked repository in github

To make your source code pulled by original fork, you have to send a pull request to the project owner.

1. Go to the web page of your forked project on GitHub.
2. Hit the pull request button on the top right of page
3. Select the commits that you want to submit by change commits button.
4. Write some description of your changes, comments, or etc.
5. Send pull request and wait for the owner reply

Q.5) What is alternative of github & what is Full form of GIT?

Ans -> **GitHub** is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere.

"git" can mean anything, depending on your mood

Alternative of Github are:-

* **Gitlab**
* **Bitbucket**
* **SourceForge**
* **Launchpad**
* **Google Cloud Source Reposotories**
* **AWS Cloud Commit**
* **Phabricator**
* **Gogs**
* **Gitea**
* **Apache Allura**