**GIT REPOSITORY TEAM WORKS**

**Aim**

The following exercises must be done by a team of four students.

1. Create team account.

2. Create empty repository in any git remote repository service and add collaborators.

3. Leader must create the first commit.

4. All members must clone the remote repository.

5. Each member must create a feature brach each and add features to them(any mod)

6. Commit changes to branches.

7. Push the branches.

8. View Graph.

9. Leader must make changes to the master.

10. All member must rebase their branches to the position of latest commit in master.

10. Merge all branches to master.

11. Cherry pick commits from each branch created earlier.

12. View Status.

13. View History.

14. Delete all branches.

**Program Code**

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| --- | --- |
| Create team account | Create a new repository in my github account |
| Add collabrators | Add team members as collabrators through  Settings->Manage Acess->Invite a Collabrator |
| Creating first commit | touch info.txt  git add info.txt  git commit –m “first commit” |
| Cloning repository | Team members clone repository using command  git clone <https://github.com/VishnuGireesh/GIT_LAB_WORKS.git> |
| Creating Branches | Team members Creates their Branches Using Command git branch sreebranch  Adding files to their respective branch  git checkout sreebranch  git add [ files ]  git commit –m “message” |
| Pushing branches | Team members push the branches  git push –u origin sreebranch |
| View graph | git log --graph |
| Making changes to master | git touch second.txt  git add second.txt  git commit –m “new commit”  git push –u origin master |
| Rebasing branches | Team members rebase their branches using the command  git rebase master |
| Merging Branches | Team members merge their branches using command  git merge sreebranch |
| Cherry picking | git cherry-pick <commit\_id> |
| View history | git log --oneline |
| Delete branch | git branch –d <name> |

**Result**

Graph



History