

Lab Exercise:

GitHub:

Exercise: 1

- 1) Create a Local GIT repository
- 2) Create '.gitignore' to exclude specific file type in repository
- 3) Add and commit files.
- 4) Modify / remove existing files from repo.
- 5) Create an empty repository on GitHub
- 6) Deploy SSH keys to GitHub.
- 7) Push Local repository to GitHub.

Exercise: 2

- 1) Create branch in local GIT repository
- 2) Switch to new branch (dev)
- 3) Add / Modify files to new branch (dev)
- 4) Push (dev) to remote repo
- 5) On GitHub, create Pull Request.
- 6) Approve Pull Request
- 7) Close Pull Request.

Exercise: 3

- 1) Create new Issue
- 2) Assign the issue to Project User
- 3) Apply Label to the issue
- 4) Create a Project in the repository
- 5) Create Project tracking Board
- 6) Track open Issue in project
- 7) Close the issue

Exercise: 4

- 1) On Local repository, create Tag
- 2) Push Tag to Remote repo
- 3) Create Release

Exercise: 5

- 1) Create Wiki Page
- 2) Add Project Information on Wiki
- 3) In Repository settings, Use Manage Access to add new user as Collaborators.
- 4) In repository settings, create GitHub Page
- 5) Publish Project info on WebPages.

GitLab:

Exercise: 1

- 1) Create Project / Repository on GitLab
- 2) Setup ssh authentication by deploying public key
- 3) Push Local Repository to GitLab
- 4) Add Users to Project
- 5) Add Groups
- 6) Assign role permissions to users.

Exercise: 2

- 1) Create a New issue in
- 2) Generate default set of Labels
- 3) Assign Label to issue
- 4) Close issue
- 5) Create new Milestone, assign start and end date.

Exercise: 3

- 1) Create new Merge request
- 2) Compare changes
- 3) Approve merge request
- 4) Comment merge request
- 5) Close merge request

Exercise: 4

- 1) Create a new file .gitlab-ci.yaml
- 2) State stages in yaml file
- 3) State job name and assign it to a stage
- 4) State script in a stage
- 5) Define task in script
- 6) Check is the Pipeline workflow gets triggered automatically
- 7) Create Pipeline schedule

Exercise: 5

- 1) Create Wiki Page
- 2) Add Project Information on Wiki
- 3) In Repository settings, Use Manage Access to add new user as Collaborators.
- 4) In repository settings, create Page
- 5) Publish Project info on WebPages.