**GIT Tutorial**

Step1) Create the repository in GitHub without README.md file.

Step2) Create the new folder on the desktop.

Step3) Open that folder in VS code.

Step4) Click on the new file option, name the new file as **README.md**

Step5) Open the terminal, and click on Git Bash.

Step6) Check the version of git,

Command: **git --version**

Step7) initialize a new, empty repository

Command: **git init**

Step8) Configure the username and email, if use git for the first time

username config: **git config --global user.name “DhanashriSaner”**

email config: **git config --global user.email “dhanashrisaner442@gmail.com”**

Step9) Add README.md file in the GitHub repository

Command: **git add README.md**

Step10) Check the status

Command: **git status**

Step11) If we have created another file and also doing some changes in README.MD file, the changes are untracked. In order to track the changes use the following

Command: **git add .**

Step12) Capture a snapshot of the project's currently staged changes

Command: **git commit -m “first commit”**

Step13) Checking for branch

Command: **git branch**

Step14) Rename the branch

Command: **git branch -M main**

Step15)Add the remote origin, where we commit the changes

Command: **git remote add origin https://github.com/DhanashriSaner/gitpractice.git**

Step16) Push the commits in the local branch named master to the remote named origin

Command: **git push origin main**

If an error occurs while pushing the branch, we need to run the following command: **git pull origin main**

Step17) If you want to create a new branch

Command: **git branch branchname**

Example**: git branch develolper1**

Step18) If we want to switch from the main branch to a newly created branch (developer1)

Command: **git checkout developer1**

Step19)If we want to merge two branches (if you are currently in the main branch & want to merge the developer1 branch)

Command: **git merge developer1**

Step20)delete the branch developer1

Command: **git branch -d developer1**