Git Cheat Sheet by Swayamshree

1. To open a new repository in your current working directory using GITBASH
   - **git init**
2. To delete the exiting repository in your current working directory using GITBASH
   - **git rm -rf .git**
3. To check the GIT status of your current directory
   - **git status**
4. To add all your files/folders to the repository.
   - **git add <file/folder name>**

     (only for single file/folder)
   - **git add .**

     (for all the files/folders in the directory)
5. To commit your files/folders in the repository.
   - **git commit -m "Your message"**

For working on your project using branch

1. Create a new branch
   - **git branch <branch name>**
2. Go to another branch
   - **git checkout <branch name>**
3. Create and go to another branch
   - **git checkout -b <branch name>**
4. After modification in your new branch, then commit it with the new branch repository.
   - **git commit -a -m "Your message"**
     (For add and commit in the new branch directory)
5. To merge the branch with the MASTER branch. First go to your new branch. Then type: -
   - **git merge <branch name>**
6. To delete a slave branch, 1st go to the main branch, then type: -
   - **git branch -D <branch name>**

For push your files/folders to GITHUB

1. After the above-mentioned process, then go to your GITHUB account and create a blank repository in your GITHUB, then copy your GITHUB repository URL.
2. In your working directory, open Git bash
   Then create a remote for your repository using the copied link.
   - **git remote add <remote name>** <" origin" is used as default name> **"your copied URL from GITHUB"**
3. To push the working directory files/folder to your GITHUB
   - git push -u <remote name> <branch name>
     or
   - **git push -u "your copied URL from GITHUB" <branch name>**

For pull your files/folders to GITHUB

1. For pull existing repository from GITHUB
   - **git pull -u <remote name/URL name> master**
2. If confits occurred during pulling
   - **git pull <remote name/URL name> --allow-unrelated-histories**

- Before coming to this please, generate a GPG key in your Git Bash.
  Follow this link
  https://docs.github.com/en/free-pro-team@latest/github/authenticating-to-github/generating-a-new-gpg-key

Set-up GPG key in VS Code

Tell Git to find your signing key ID. It's a 16-digit alphanumeric string.

```
gpg --list-signatures
```

git config --global user . signingkey <Key>

git config –global commit . gpgsign true