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| 1. To open a new repository in your current working directory using GITBASH | * **git init** |
| 1. To delete the exiting repository in your current working directory using GITBASH | * **git rm -rf .git** |
| 1. To check the GIT status of your current directory | * **git status** |
| 1. 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) |
| 1. 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>** |
| 1. Go to another branch | * **git checkout <branch name>** |
| 1. Create and go to another branch | * **git checkout -b <branch name>** |
| 1. 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)** |
| 1. To merge the branch with the MASTER branch. First go to your new branch. Then type: - | * **git merge <branch name>** |
| 1. 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. |  |
| 1. 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”** |
| 1. 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** |
| 1. If confits occurred during pulling | * **git pull <remote name/URL name> --allow-unrelated-histories** |

**Git Cheat Sheet by Swayamshree**

* 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>

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| **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 |