**Git working**

**Three stages**

**Working directory –** file that are added to be in Git.

**Staging area** – Adding file to the GIT

**Repo** – saving file in Git.

GIT bash command

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| Command | Description |
| pwd | Present working Directory |
| cd | Move (or) select / change directory |
| ls | List of files / folder in that directory |
| mkdir | Make / create a new directory(folder) |
| echo | Creat a file  Example : echo “hello world” >> file.txt      Command text(word in that file) file name |
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| GIT Command | Description |
| git config --global user.name | Configuring git globally with user name |
| git config --global user.email | Configuring git globally with user mail id |
| git config --local user.name  git config --local user. email | Configuring git locally with user name  Configuring git locally with user mail id |
| git config --global -l | List the global configured in your machine. |
| git config -l | List of parameters are configured in git on your machine. |
| git init | Initialize git directory. This command will create an empty git repository (.git)  Hidden folder. |
| git status | Show the status of the git repository |
| git log | Is used to track branch commit history |
| git commit -m “commit message” | Commits keep track of our work progress or changes made |
| git init | Initialize an empty git repository in that folder. Git now knows that it should watch the folder you initiated it on. Git creates a hidden folder to keep track of changes. |
| git help | Common help(command & description) in terminal itself |
| git help remote | Help command with html doc |
| git remote add <name> <link of online git repo (HTTP/SSH)> | Adding remote repository / naming remote repo by an name  Example: git remote add origin <https://github.com/username/repository.git>  name git repo link  generally current working branch will be named as master |
| git remote -v | Verify the remote url |
| git branch -m <name> | Renaming the existing branch name  Example : git branch -m main    New name  Initially branch name will be in master |
| git branch | Show current working branch and list of branches |
| git push -u <remote repo (name)><your branch name> | Save the committed files or folder in remote git repository.  Example : git push -u origin main  upstream Remote repo name branch name |
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