**Setting up Git**

Download

1. Visual Studio Code

2. Windows (Git Bash) --https://git-scm.com/download/win

3. Mac (Terminal)

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**To check Version of Git**

Command: git --version

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**Git configuration**

Command: git config --global user.name "shivanand Hatte"

git config --global user.email [shivanandhatte@outlook.com](mailto:shivanandhatte@outlook.com)

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To check git congigration setup=>git config --list

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Clone and Status

Clone: Clone a repository pn your local machine (code copy from github)

Command:

git clone <Link>

Status: Display or check status of code.

git status

some additional command for you

cd folder name          --------------go to current working directory

cd ..                   --------------go back from working directory

ls                      --------------List the files or folders on working directory

ls -a                   --------------Display hiddne files and folders on working directory

ls -l                   --------------Dispay details of files and folders on wroking directoirt

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File ststus

untracted               ------------New file that git dosen't yet track.

mdified                 ------------exisitng file has modified.

staged                  ------------file is ready to committed.

unchanged               ------------fine is upto date.there is no change.

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Add abd Commit

add: adds new or changed file in your working derictory to the git satging area.

Command:

git add <-file name->

for add All file

command:

git add .

commit: it is the record to change

Command

git commit -m "some message"

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Push Command

push: upload local machine repo content to remote repo (github)

command:

git push origin main

origin: it is a default origin

main: it is defailt main branch

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init command

git init

The git init command is used to initialize a new Git repository in a directory. When you run this command, Git creates a new repository with all the necessary data structures and files required for version control. Here's how you can use it: