**🚀 GitHub Setup Guide**

**🛠 Basic Git Commands**

**🔹 Clone a Repository**

git clone <repository-url>

**🔹 Add All Changes**

git add .

**🔹 Check the Status**

git status

**🔹 Commit Changes**

git commit -m "all file update code"

**🔑 Setup Developer Permission to Push Code**

**🔹 Set Remote Repository URL**

git remote set-url origin https://<your-access-token>@github.com/<username>/<repository>.git

**🔹 Push Changes to GitHub**

git push

**🌿 Branch Management**

**🔹 Create New Branches**

git checkout -b Dev

git checkout -b Testing

git checkout -b stg

git checkout -b Prod

**🔹 Push All Branches to GitHub**

git push --all origin

**🔹 Switch Between Branches**

git switch dev

**🔐 Setup SSH for GitHub**

**🔹 Check Existing SSH Keys**

ls -al ~/.ssh

**🔹 Generate a New SSH Key**

ssh-keygen -t ed25519 -C "your-email@example.com"

**🔹 Start SSH Agent & Add Your Key**

eval "$(ssh-agent -s)"

ssh-add ~/.ssh/id\_ed25519

**🔹 Add SSH Key to GitHub**

cat ~/.ssh/id\_ed25519.pub

Copy the key and add it to GitHub:

* Go to **GitHub → Settings → SSH and GPG Keys**
* Click **"New SSH Key"**
* Paste the key and save

**🔹 Test SSH Connection**

ssh -T git@github.com

✅ If successful, you should see:

Hi <username>! You've successfully authenticated, but GitHub does not provide shell access.

🎉 **Congratulations! You have successfully set up GitHub with Git and SSH.** 🚀