**Install Git**

**On Windows:**

1. Download the Git installer from GIT FOR WINDOWS.
2. Run the installer and follow the setup instructions.
3. Choose the default options unless you have specific needs.
4. After installation, you can use Git via Git Bash or Command Prompt.

**On macOS:**

1. Open Terminal.
2. Install Git using Homebrew by running:

**brew install git**

1. Configure Git :

Set your username and email (use the email associated with your GitHub account):

**git config --global user.name "Your Name"**

**git config --global user.email** [**your\_email@example.com**](mailto:your_email@example.com)

1. Generate SSH Key:

**ssh-keygen -t rsa -b 4096 -C** [**your\_email@example.com**](mailto:your_email@example.com)

1. Add the SSH key to your GitHub account:

Copy the key to your clipboard:

**cat ~/.ssh/id\_rsa.pub**

1. Log in to GitHub.
2. Go to **Settings** > **SSH and GPG keys**.
3. Click **New SSH key**, paste the key, and save
4. Clone a Repository:

**git clone <repository\_url>**

1. NOTE:

Make changes to your files and stage them: **git add .**

Commit your changes: **git commit -m "Your commit message"**

Push changes to GitHub: **git push origin main**

1. **For adding any new folder to new repo follow the below steps:**
   1. **Create a new folder**
   2. **And open the git terminal.**
   3. **git init**
   4. **git remote add origin** [**https://github.com/YOUR-GITHUB-USERNAME/YOUR-REPOSITORY-NAME.git**](https://github.com/YOUR-GITHUB-USERNAME/YOUR-REPOSITORY-NAME.git)
   5. **git add .**
   6. **git commit -m "Initial commit"**
   7. **git push -u origin master**

You are done !

1. Now suppose you want to change the branch of the repo and want to commit code in different branch then do this :
   1. Git init
   2. **git remote add origin** [**https://github.com/YOUR-GITHUB-USERNAME/YOUR-REPOSITORY-NAME.git**](https://github.com/YOUR-GITHUB-USERNAME/YOUR-REPOSITORY-NAME.git)
   3. **git add .**
   4. **Git commit -m “comments”**
   5. **Git branch -M main(here you can mention your desired branch name)**
   6. **Git push origin main.**

# if any issue is coming related to push the code then you need to rebase the repo. And for that follow the steps:

* 1. Git pull origin main –rebase
  2. Git rebase –continue
  3. Git push origin main

Done !