# **Step-by-Step Guide: Connect VS Code Project to GitHub**

## **🔹 1. Install & Setup (One-time only)**

1. Install **Git** on your computer.  
    👉 [Download Git](https://git-scm.com/downloads?utm_source=chatgpt.com)
2. Open **VS Code**.
3. Open your **project folder** in VS Code (File → Open Folder).
4. Open the **terminal** in VS Code (Ctrl + ~).

## **🔹 2. Initialize Git in Your Project**

In the terminal:

git init

👉 This tells Git to start tracking changes in your folder.

## **🔹 3. Configure Your Identity (One-time only)**

You must tell Git who you are:

git config --global user.name "YourGitHubUsername"

git config --global user.email "your\_github\_email@example.com"

## **🔹 4. Link Your Local Project with GitHub**

1. Create a new **empty repository** on GitHub (don’t add README or license).  
    Example: https://github.com/Rekha546/TASK
2. In VS Code terminal, connect it:

git remote add origin https://github.com/Rekha546/TASK.git

## **🔹 5. First Commit & Push**

1. Stage all files:

git add .

1. Commit changes:

git commit -m "Initial commit"

1. Set branch name and push:

git branch -M main

git push -u origin main

✅ Now your project is uploaded to GitHub 🎉

## **🔹 6. Daily Workflow (After Setup)**

Whenever you make changes in your code:

1. Stage changes:

git add .

1. Commit with message:

git commit -m "Updated feature X"

1. Push to GitHub:

git push

## **🔹 7. To Check Status**

At any time, see what’s happening:

git status

## **🔹 8. Pull (if updated on GitHub)**

If you make changes on GitHub directly, update your local code:

git pull

# **✅ Quick Memory Checklist**

1. git init → start Git in folder
2. git config → set your identity
3. git remote add origin <repo-link> → connect to GitHub
4. git add . → stage changes
5. git commit -m "message" → save changes
6. git push → upload to GitHub