

# Basic Git Commands to Upload a Project from VS Code to GitHub

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## Step-by-Step Git Commands

### 1. Initialize Git in your project folder

```
git init
```

### 2. Check Git status (optional)

```
git status
```

### 3. Add files to the staging area

```
git add .
```

### 4. Commit the changes with a message

```
git commit -m "Initial commit"
```

### 5. Create a new repository on GitHub

Visit <https://github.com/new> and create a new repository. DO NOT initialize with README if you're pushing from local.

### 6. Link your local project to the GitHub repository

```
git remote add origin https://github.com/your-username/your-repo-name.git
```

### 7. Push your code to GitHub

```
git push -u origin master
```

If you're using a newer Git version with the main branch instead of master:

```
git push -u origin main
```

## 8. (Optional) If push fails due to branch issues

Set the default branch and try again:

```
git branch -M main
git push -u origin main
```

## Extra Git Commands (Useful for Beginners)

- Check current branch:

```
git branch
```

- View commit history:

```
git log
```

- Undo last commit (keep changes):

```
git reset --soft HEAD~1
```

- Clone an existing GitHub repo:

```
git clone https://github.com/username/repo-name.git
```

## Tips

- Always commit with clear messages.
- Use `git status` often to check the state of your project.
- Make sure to push after committing.