

# ■ GitHub Workflow Guide (Simple & Best Practices)

## 1. Push Local Code to GitHub (first time)

```
# Go into your project folder
cd /path/to/project

# Initialize Git (if not already)
git init

# Add GitHub remote (replace with your repo link)
git remote add origin https://github.com/USERNAME/REPO.git

# Create branches
git checkout -b main
git checkout -b dev

# Add and commit files
git add .
git commit -m "Initial commit"

# Push dev branch (first push with -u)
git push -u origin dev
```

## 2. Clone Repository (download project from GitHub)

```
# Go into the folder where you want to clone
cd /path/to/folder

# Clone repo (replace with your repo link)
git clone https://github.com/USERNAME/REPO.git

# Enter project folder
cd REPO

# Switch to dev branch
git checkout dev
```

## 3. Update Code and Push Changes (dev branch)

```
# Make sure you are on dev branch
git checkout dev

# Pull latest updates (if working with team)
git pull origin dev

# Add your changes
git add .

# Commit changes with a message
git commit -m "Updated feature XYZ"

# Push changes to dev branch
git push origin dev
```

## 4. Merge dev into main (when project is stable)

```
# Switch to main branch
git checkout main

# Merge dev into main
git merge dev
# Push main branch to GitHub
```

```
git push origin main
```

- *Tip: Always work on 'dev' branch. Merge into 'main' only when your app is stable.*