

Git Workflow with Folder Structure, Commits, Merge & Tags

Folder and File Plan

Branch	Folder	File	Content
main	docs/	README.md	Welcome to the project
feature-1	src/	script.py	print("Hello world")

Step 1: Initialize Repo and Add README.md

```
mkdir my-project
cd my-project
git init -b main
```

```
mkdir docs
echo "# Welcome to the project" > docs/README.md
```

```
git add .
git commit -m "Initial commit: added README in docs folder"
```

```
git tag -a v0.1 -m "v0.1: Initial README setup"
```

Step 2: Create a New Branch and Add script.py

```
git checkout -b feature-1
```

```
mkdir src
echo 'print("Hello world")' > src/script.py
```

```
git add .
git commit -m "Added script.py with hello world"
```

```
git tag -a v0.2 -m "v0.2: Added script.py in feature-1"
```

Step 3: Merge Branch into main

```
git checkout main
git merge feature-1 -m "Merged feature-1: added script.py"
```

```
git tag -a v1.0 -m "v1.0: Merged feature-1 into main"
```

Push to GitHub

```
git remote add origin https://github.com/your-username/my-project.git  
git push -u origin main  
git push origin feature-1  
git push origin --tags
```

In []: