

Git Basics Practical Exercise

This exercise is designed to teach you 3 basic Git commands in practice:

1. git init
2. git commit
3. git branch

Step 1: Git Init

```
mkdir my-website  
cd my-website  
git init
```

This initializes a new Git repository in your folder.

Step 2: First Commit

```
echo "<h1>Welcome to My Website</h1>" > index.html  
git add index.html  
git commit -m "Initial commit with homepage"
```

You just made your first commit.

Step 3: Create a Branch

```
git branch new-footer  
git checkout new-footer
```

You are now working on the 'new-footer' branch.

Step 4: Make Changes in Branch

```
echo "<footer>Contact us at example@email.com</footer>" >> index.html
```

```
git add index.html
```

```
git commit -m "Added footer section"
```

This commit exists only on the new-footer branch.

Step 5: Switch Back to Main

```
git checkout main
```

You are now back on the main branch.

Summary:

- git init: Started a Git repository
- git commit: Saved changes
- git branch: Created a separate line of development

You have successfully practiced Git basics.