

BASIC WHICH I FACED IN PROJECT

Steps for Managing a GitHub Repository with Git Commands

PS C:\Users\DELL\Desktop\PORTFOLIO WEBSITE> git init

This command initializes a new Git repository in the current directory.

OR

initialize an existing directory as a Git repository.

Reinitialized existing Git repository in C:/Users/DELL/Desktop/PORTFOLIO WEBSITE/.git/

PS C:\Users\DELL\Desktop\PORTFOLIO WEBSITE> git clone

<https://github.com/Nimishakeshan/Portfolio-Website.git>

This command clones the repository from GitHub into a new directory named

[Portfolio-Website](#).

PS C:\Users\DELL\Desktop\PORTFOLIO WEBSITE> cd Portfolio-Website

Change the current directory to the cloned repository.

PS C:\Users\DELL\Desktop\PORTFOLIO WEBSITE\Portfolio-Website> git branch

* main

This command lists all local branches. Initially, it shows the [main](#) branch and shows at what branch we are at.

PS C:\Users\DELL\Desktop\PORTFOLIO WEBSITE\Portfolio-Website> git pull

Already up to date.

This command updates your local repository with the latest changes from the remote repository.

**PS C:\Users\DELL\Desktop\PORTFOLIO WEBSITE\Portfolio-Website> git checkout
DESIGNING_OF_PORTFOLIO_WEBSITE**

Switched to a new branch 'DESIGNING_OF_PORTFOLIO_WEBSITE'
branch 'DESIGNING_OF_PORTFOLIO_WEBSITE' set up to track
'origin/DESIGNING_OF_PORTFOLIO_WEBSITE'.

This command switches to the [DESIGNING_OF_PORTFOLIO_WEBSITE](#) branch. If the branch does not exist locally but exists on the remote, it will fetch and switch to it.

We have created this new branch on Github and switched to it here

PS C:\Users\DELL\Desktop\PORTFOLIO WEBSITE\Portfolio-Website> git branch

* DESIGNING_OF_PORTFOLIO_WEBSITE
Main

Committing and Pushing Changes

1st way:

PS C:\Users\DELL\Desktop\PORTFOLIO WEBSITE\Portfolio-Website>Git gui

Screen will be popped up from there move everything from unstaged to staged area then enter the message and commit and push so everything will be pushed to the remote repository now the code will be in Github of that branch now create a pull request to verify and merge that branch into main branch like that flow will go.....

2nd way:

PS C:\Users\DELL\Desktop\PORTFOLIO WEBSITE\Portfolio-Website>Git add .

This command stages all changes (new, modified, deleted files) in the current directory.

**PS C:\Users\DELL\Desktop\PORTFOLIO WEBSITE\Portfolio-Website>Git commit -m
"Your commit message"**

This command commits the staged changes with a descriptive message.

**PS C:\Users\DELL\Desktop\PORTFOLIO WEBSITE\Portfolio-Website>Git push origin
DESIGNING_OF_PORTFOLIO_WEBSITE**

This command pushes your local branch changes to the remote repository on GitHub.

ADDITIONAL:

**PS C:\Users\DELL\Desktop\PORTFOLIO WEBSITE\Portfolio-Website>git checkout -b
new-branch-name**

This will Create and Switch to a New Branch