Project Title

Initializing a Git Repository, Committing Changes, Pushing to GitHub, and Deploying a Personal Portfolio Website

AIM

The aim of this project is to initialize a Git repository, track and commit changes using Git, push the project to GitHub, and deploy a personal portfolio website using GitHub Pages or Netlify.

This project helps in understanding version control, remote repositories, and basic website deployment.

SOFTWARE / TOOLS REQUIRED

- Git (installed on system)
- GitHub account
- Code editor (VS Code / Notepad++)
- Web browser
- MS Word (for documentation)

Git is a distributed version control system used to track changes in files.
GitHub is a cloud-based platform that hosts Git repositories.
GitHub Pages / Netlify are services that allow deployment of static websites.

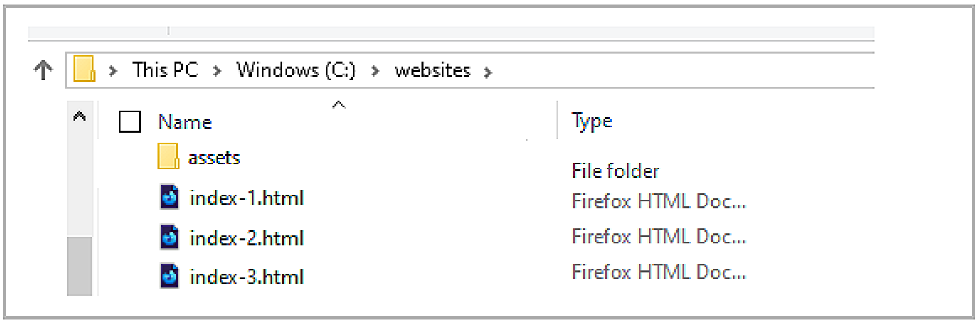
PROCEDURE / STEPS

PART A: Initialize Git Repository and Push to GitHub

Step 1: Create Project Folder

1. **Create a folder named portfolio.**
2. **Inside it, create a file index.html.**

Should look something like:



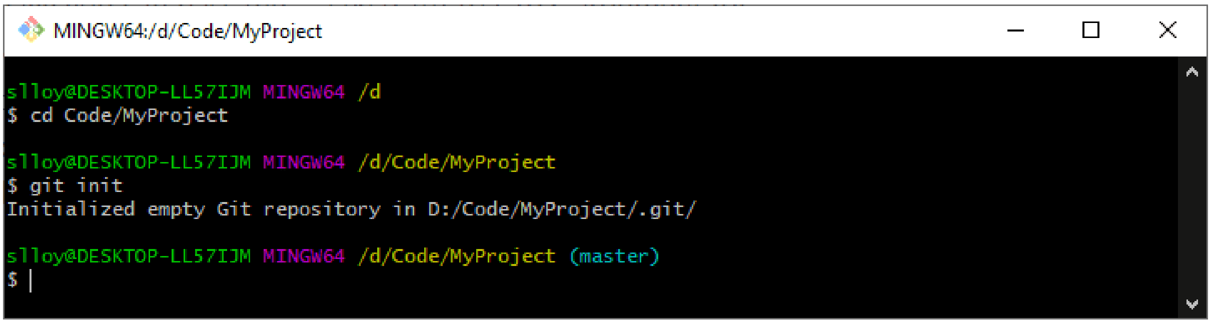
This PC > Windows (C:) > websites >

Name	Type
assets	File folder
index-1.html	Firefox HTML Doc...
index-2.html	Firefox HTML Doc...
index-3.html	Firefox HTML Doc...

Step 2: Initialize Git Repository

Open terminal inside the folder and run:

git init

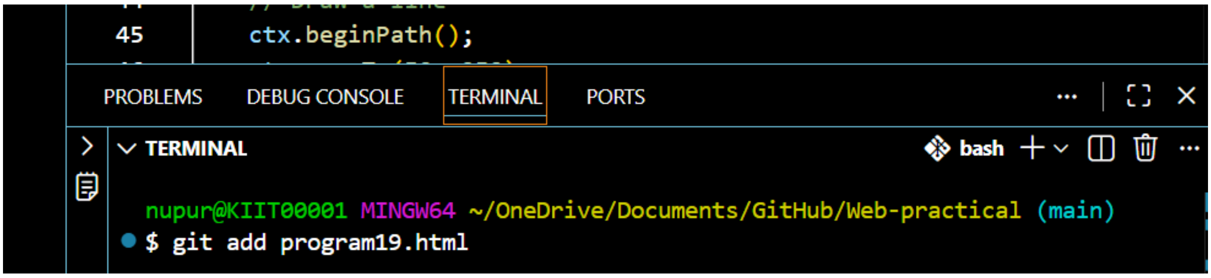


```
slloy@DESKTOP-LL57IJM MINGW64 /d
$ cd Code/MyProject

slloy@DESKTOP-LL57IJM MINGW64 /d/Code/MyProject
$ git init
Initialized empty Git repository in D:/Code/MyProject/.git/

slloy@DESKTOP-LL57IJM MINGW64 /d/Code/MyProject (master)
$ |
```

Step 3: Add Files to Git

git add .

Below I have added a specific file. To add it all together, we use the above command.

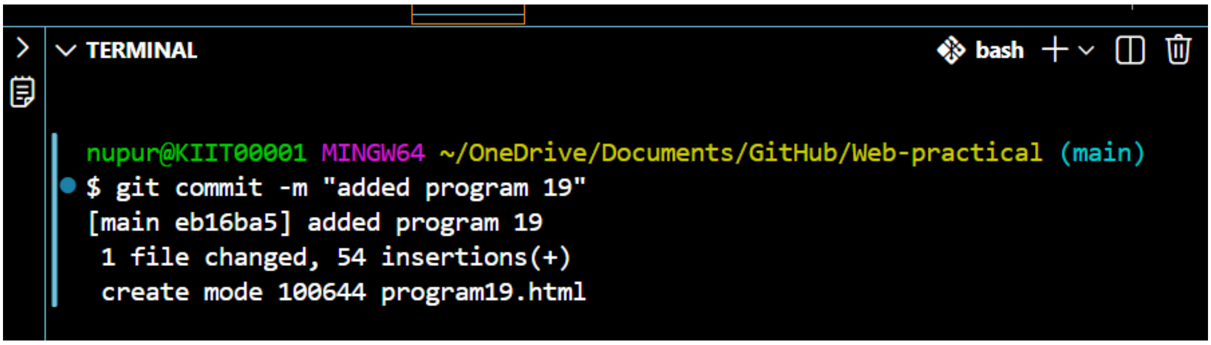


```
ctx.beginPath();
```

```
nupur@KIIT00001 MINGW64 ~/OneDrive/Documents/GitHub/Web-practical (main)
$ git add program19.html
```

Step 4: Commit Changes

git commit -m "Initial commit"

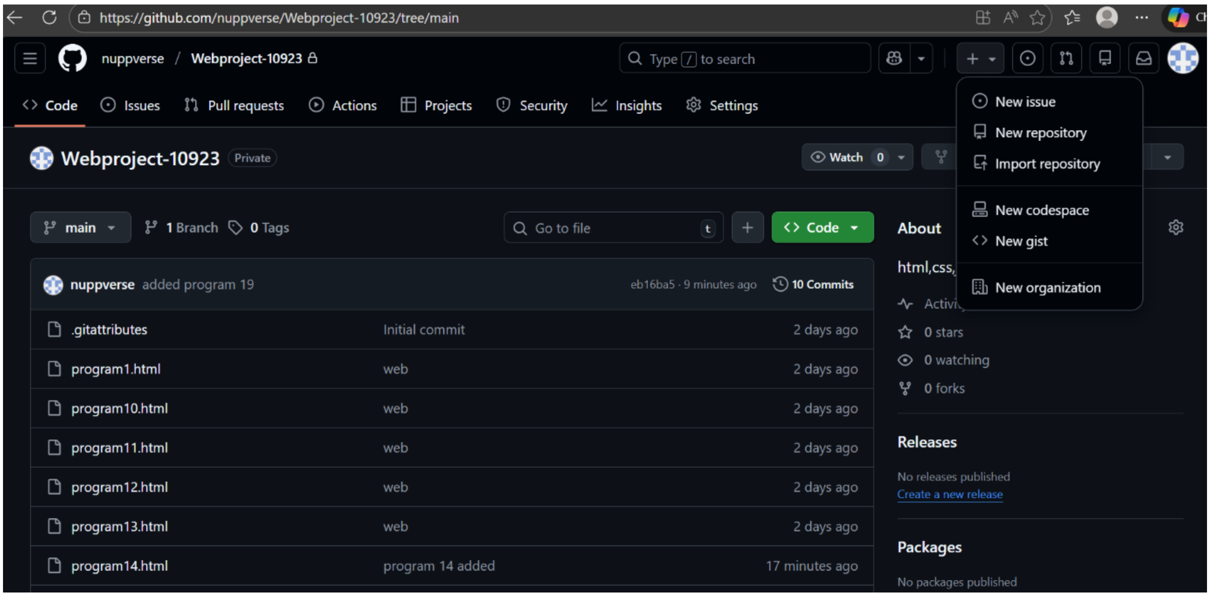


```
nupur@KIIT00001 MINGW64 ~/OneDrive/Documents/GitHub/Web-practical (main)
$ git commit -m "added program 19"
[main eb16ba5] added program 19
 1 file changed, 54 insertions(+)
 create mode 100644 program19.html
```

Step 5: Create GitHub Repository

1. **Go to github.com**

2. **Click New Repository**
3. **Name it portfolio**
4. **Do NOT initialize with README**



nuppverse added program 19 · eb16ba5 · 9 minutes ago · 10 Commits

.gitattributes	Initial commit	2 days ago
program1.html	web	2 days ago
program10.html	web	2 days ago
program11.html	web	2 days ago
program12.html	web	2 days ago
program13.html	web	2 days ago
program14.html	program 14 added	17 minutes ago

Step 6: Push Code to GitHub

Run:

git branch -M main

git remote add origin <repository-url>

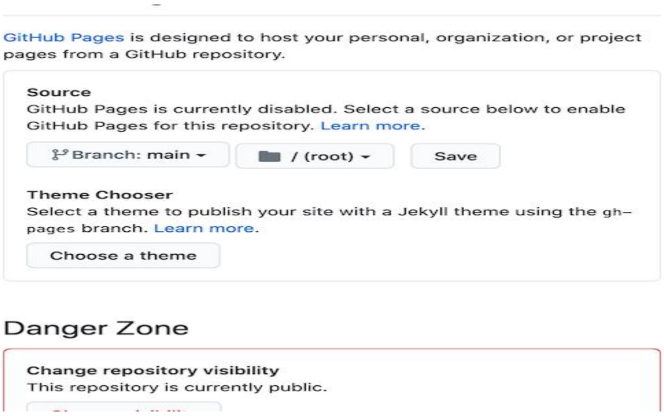
git push -u origin main

PART B: Deploy Portfolio Website

OPTION 1: GitHub Pages

Step 7: Enable GitHub Pages

1. **Open repository → Settings**
2. **Pages → Source → main branch**
3. **Save.**



GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

Source
GitHub Pages is currently disabled. Select a source below to enable GitHub Pages for this repository. Learn more.

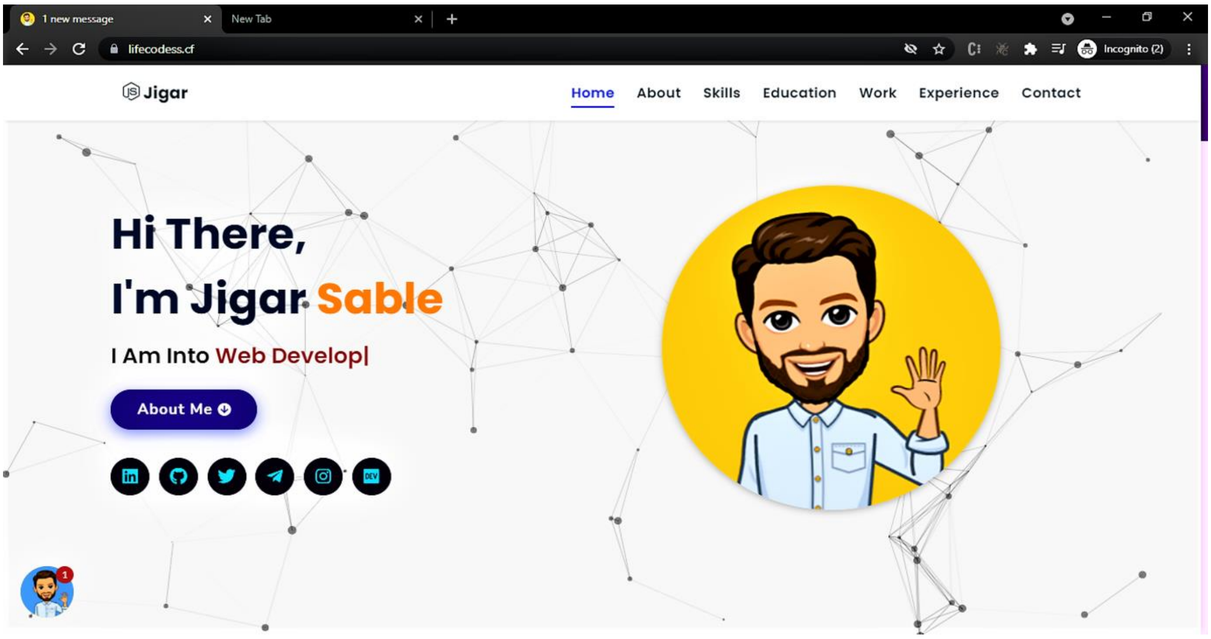
Theme Chooser
Select a theme to publish your site with a Jekyll theme using the gh-pages branch. Learn more.

Change repository visibility
This repository is currently public.

Step 8: Access Deployed Website

GitHub provides a live URL.

Example output:



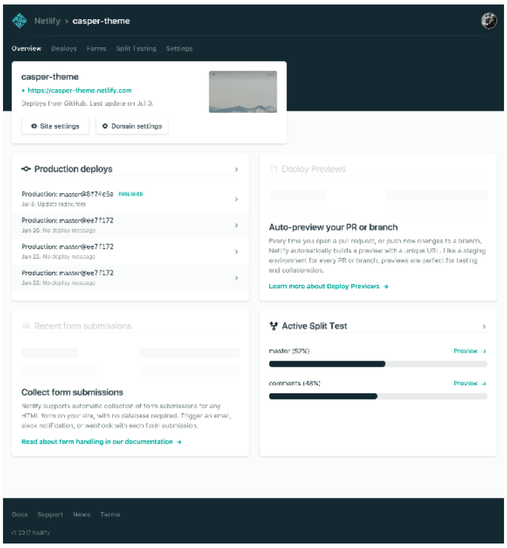
Hi There,
I'm Jigar Sable

I Am Into Web Develop|

OPTION 2: Netlify (Alternative)

Step 9: Deploy Using Netlify

1. Login to Netlify
2. Click New site from Git
3. Select GitHub repository
4. Deploy site



casper-theme
https://casper-theme.netlify.com
Deploys from GitHub. Last update on Jul 3.

Production deploys

Production: master@8174e5a PUBLISHED
Jul 3: Update index.htm

Production: master@ee7f172
Jun 26: No deploy message

Production: master@ee7f172
Jun 22: No deploy message

Production: master@ee7f172
Jun 22: No deploy message

Auto-preview your PR or branch

Every time you open a pull request, or push new changes to a branch, Netlify automatically builds a preview with a unique URL. Like a staging environment for every PR or branch, previews are perfect for testing and collaboration.

Learn more about Deploy Previews →

Collect form submissions

Netlify supports automatic collection of form submissions for any HTML form on your site, with no database required. Trigger an email, slack notification, or webhook with each form submission.

Read about form handling in our documentation →

Active Split Test

master (52%)

comments (48%)

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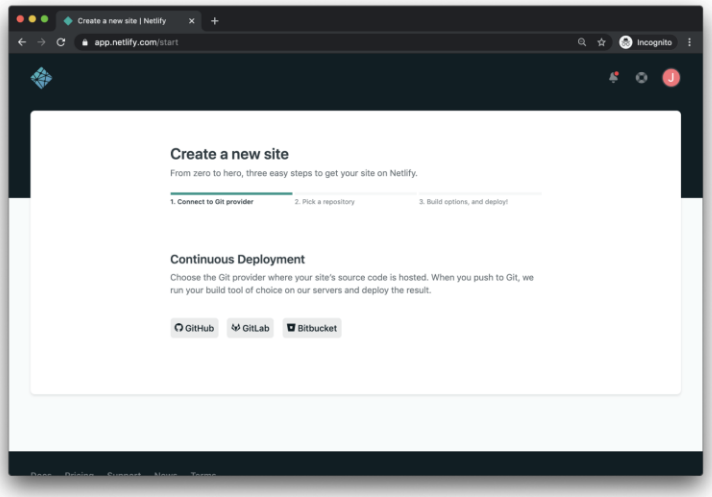

Create a new site

From zero to hero, three easy steps to get your site on Netlify.

1. Connect to Git provider
2. Pick a repository
3. Build options, and deploy!

Continuous Deployment

Choose the Git provider where your site's source code is hosted. When you push to Git, we run your build tool of choice on our servers and deploy the result.