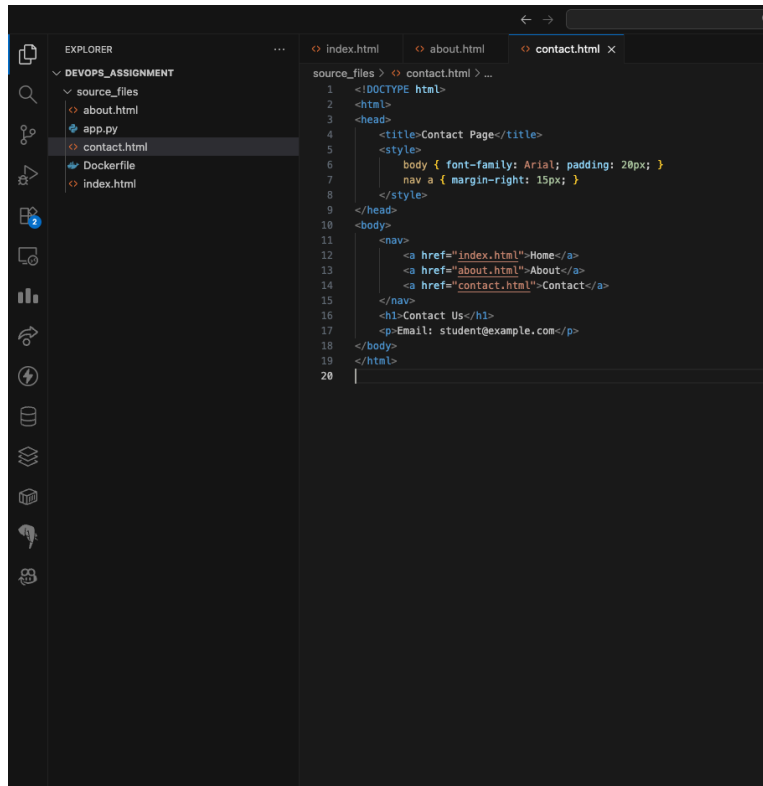


Github - https://github.com/DevMhrn/Assignement_9_11_25

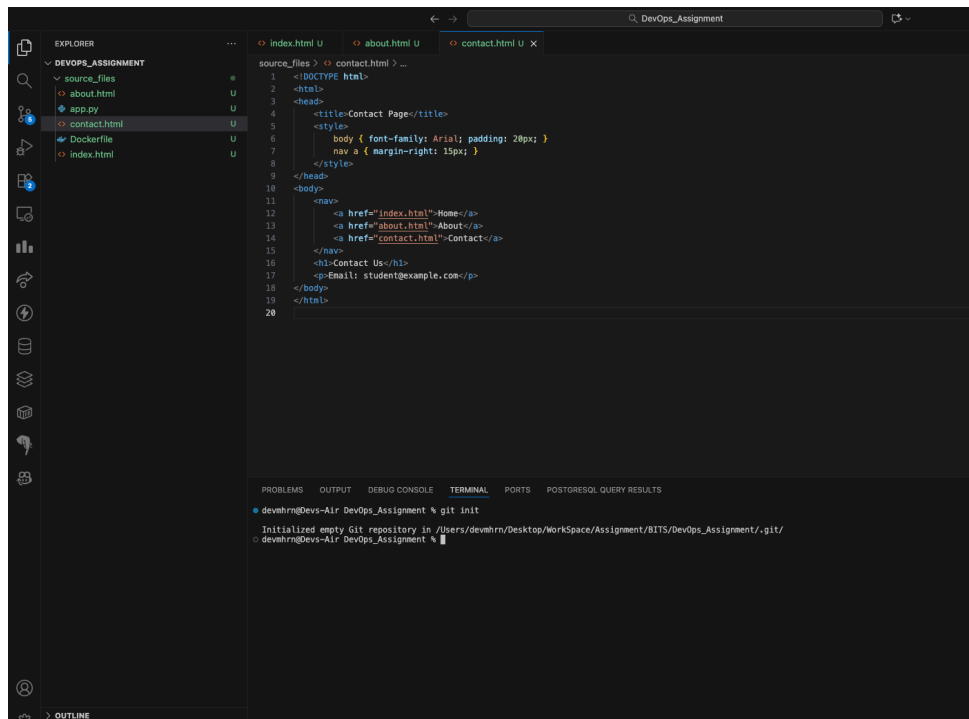
Docker - <https://hub.docker.com/repository/docker/debashis796/devmhrn-hello/general>

Question 1:



The screenshot shows the Visual Studio Code editor with the 'DEVOPS_ASSIGNMENT' project open. The Explorer sidebar on the left lists the project structure: 'source_files' containing 'about.html', 'app.py', 'contact.html', 'Dockerfile', and 'index.html'. The 'contact.html' file is selected and its content is displayed in the main editor area. The code is an HTML file with a title 'Contact Page', a style block for the body and navigation, and a navigation bar with links to 'Home', 'About', and 'Contact'.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Contact Page</title>
5   <style>
6     body { font-family: Arial; padding: 20px; }
7     nav a { margin-right: 15px; }
8   </style>
9 </head>
10 <body>
11   <nav>
12     <a href="index.html">Home</a>
13     <a href="about.html">About</a>
14     <a href="contact.html">Contact</a>
15   </nav>
16   <h1>Contact Us</h1>
17   <p>Email: student@example.com</p>
18 </body>
19 </html>
20
```

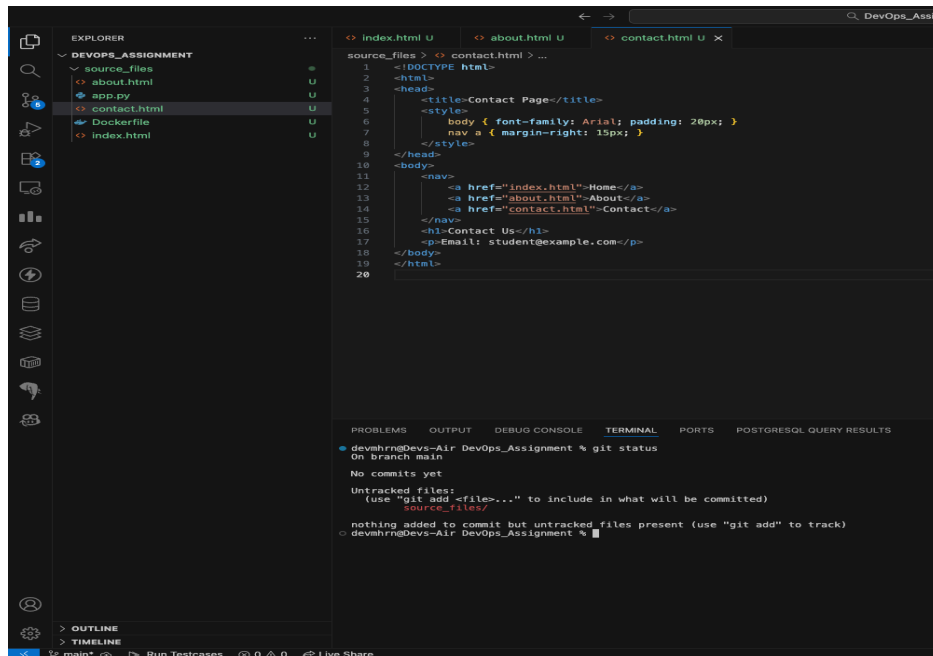


This screenshot shows the same VS Code editor with the 'contact.html' file open. Below the editor, the 'TERMINAL' panel is active, showing the output of a 'git init' command. The output indicates that an empty Git repository has been initialized in the directory '/Users/devmhrn/Desktop/Workspace/Assignment/BITS/DevoPs_Assignment/.git/'.

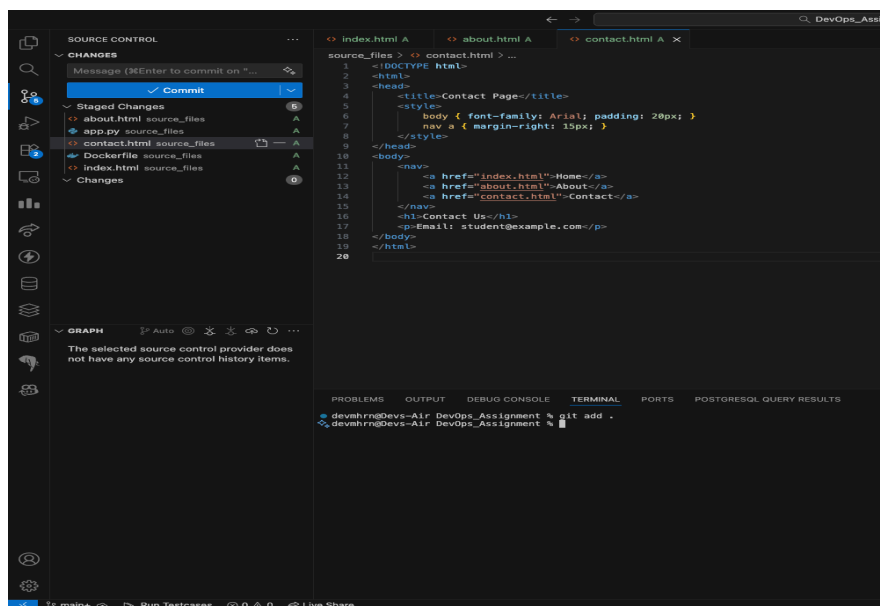
```
source_files > contact.html > ...
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Contact Page</title>
5   <style>
6     body { font-family: Arial; padding: 20px; }
7     nav a { margin-right: 15px; }
8   </style>
9 </head>
10 <body>
11   <nav>
12     <a href="index.html">Home</a>
13     <a href="about.html">About</a>
14     <a href="contact.html">Contact</a>
15   </nav>
16   <h1>Contact Us</h1>
17   <p>Email: student@example.com</p>
18 </body>
19 </html>
20

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POSTGRESQL QUERY RESULTS
• devmhrn@Devs-Air DevOps_Assignment % git init
Initialized empty Git repository in /Users/devmhrn/Desktop/Workspace/Assignment/BITS/DevoPs_Assignment/.git/
• devmhrn@Devs-Air DevOps_Assignment %
```

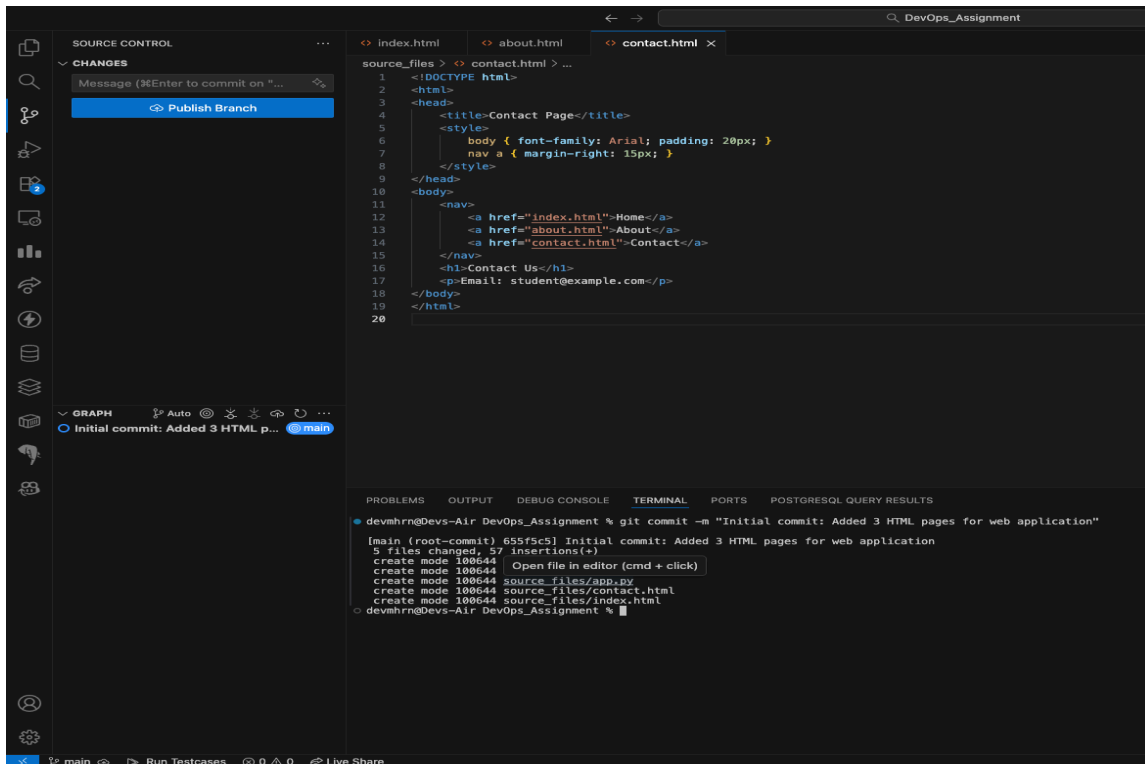
What it does: Initializes an empty Git repository in your project directory, creating a `.git` folder



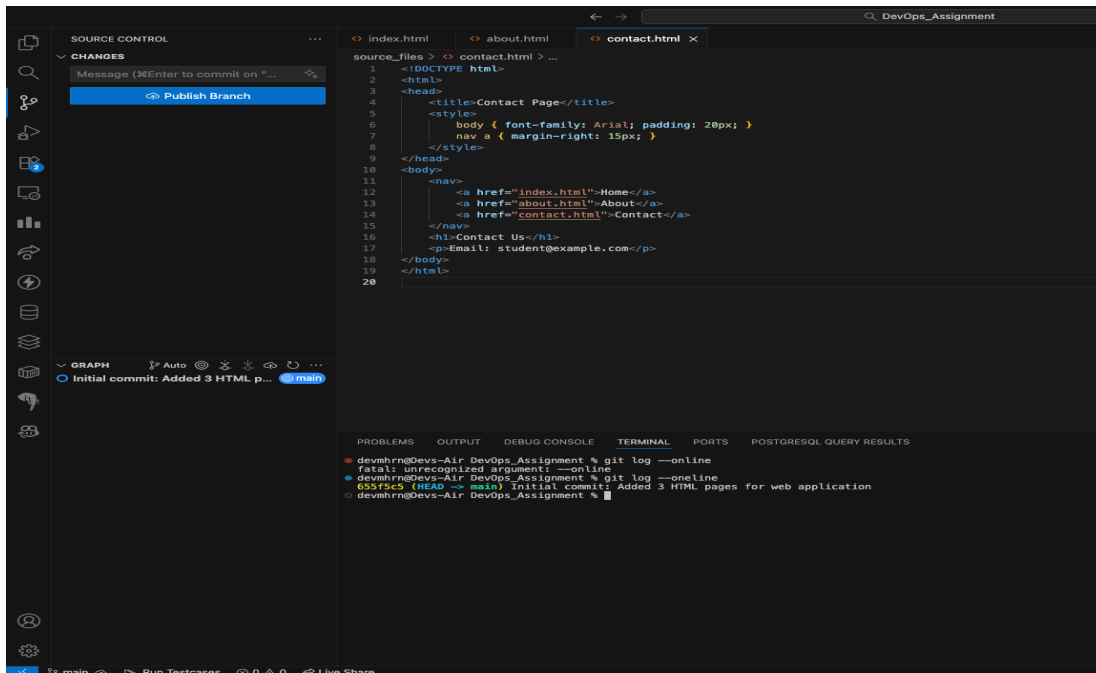
What it does: Shows the current state of your working directory and staging area - which files are untracked, modified, or staged



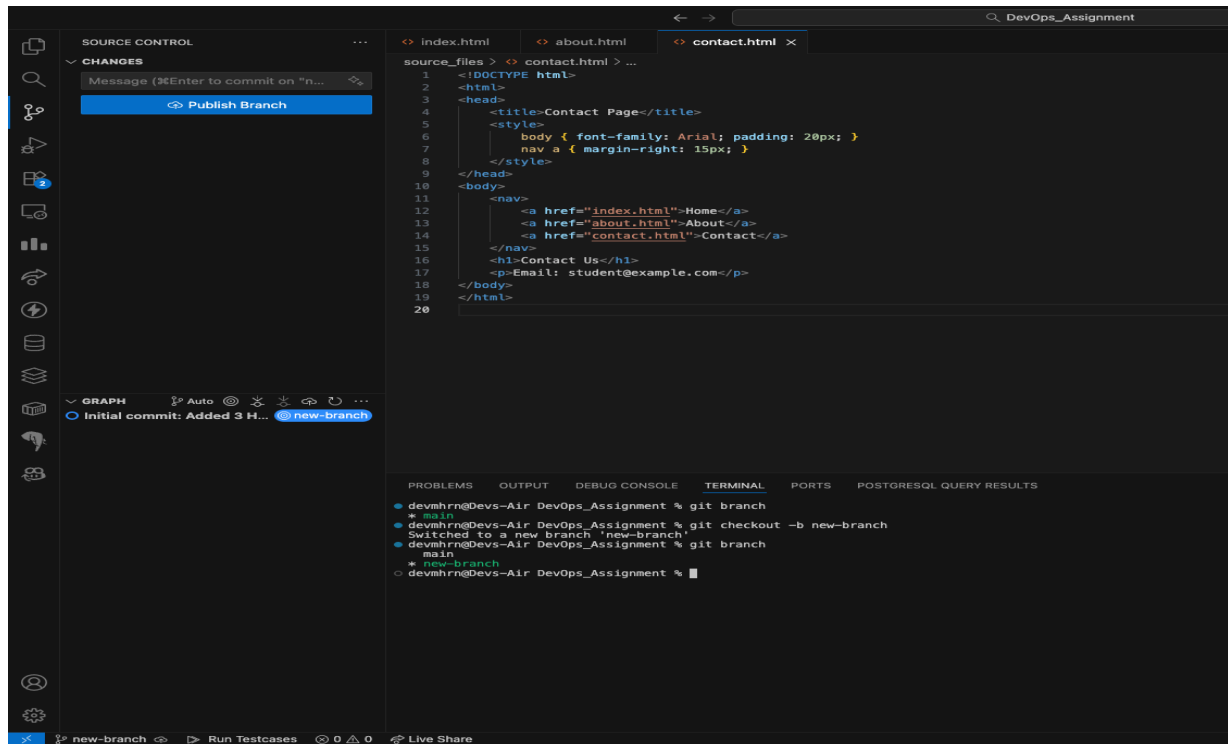
What it does: Adds files to the staging area, preparing them for commit



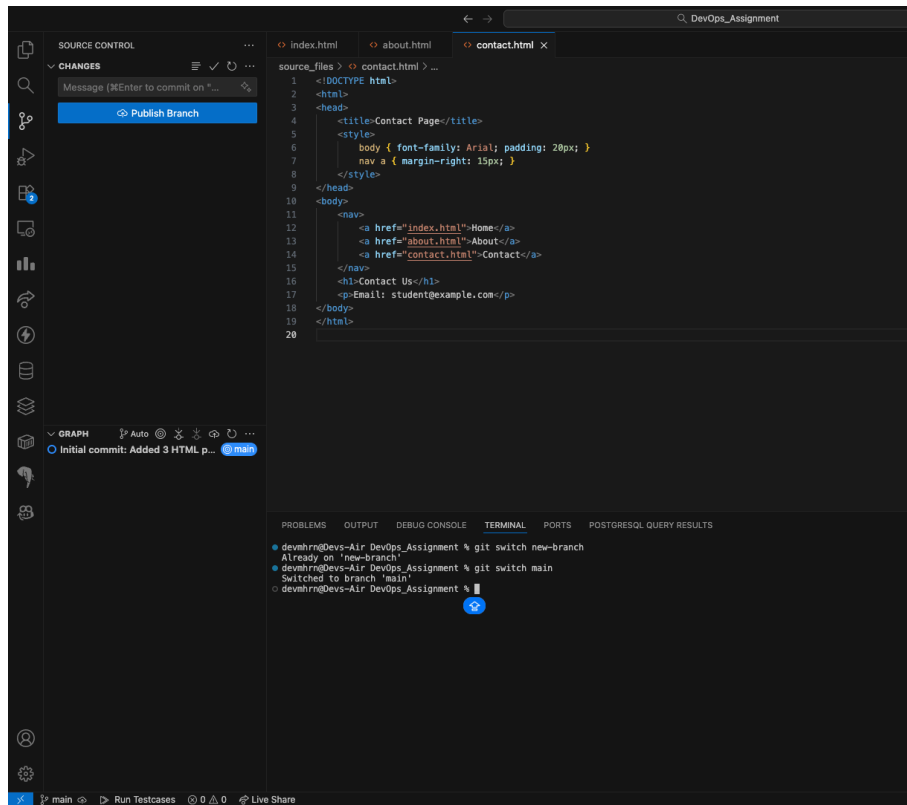
What it does: Saves staged changes to the local repository with a descriptive message



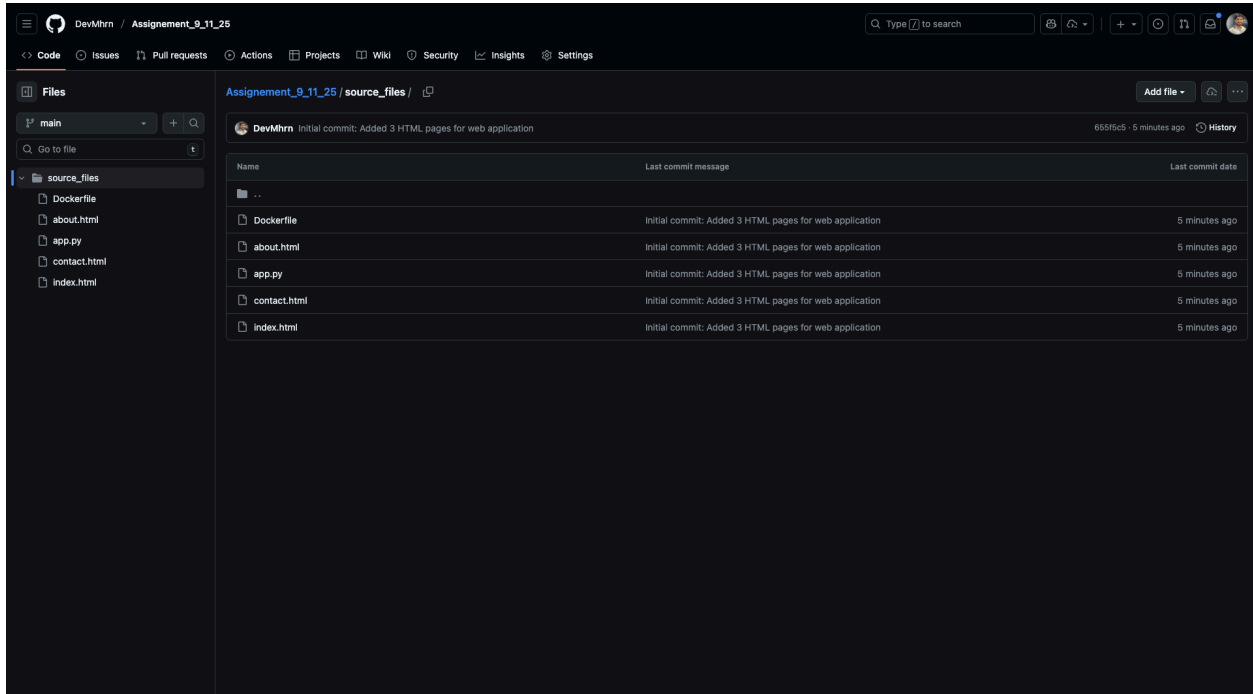
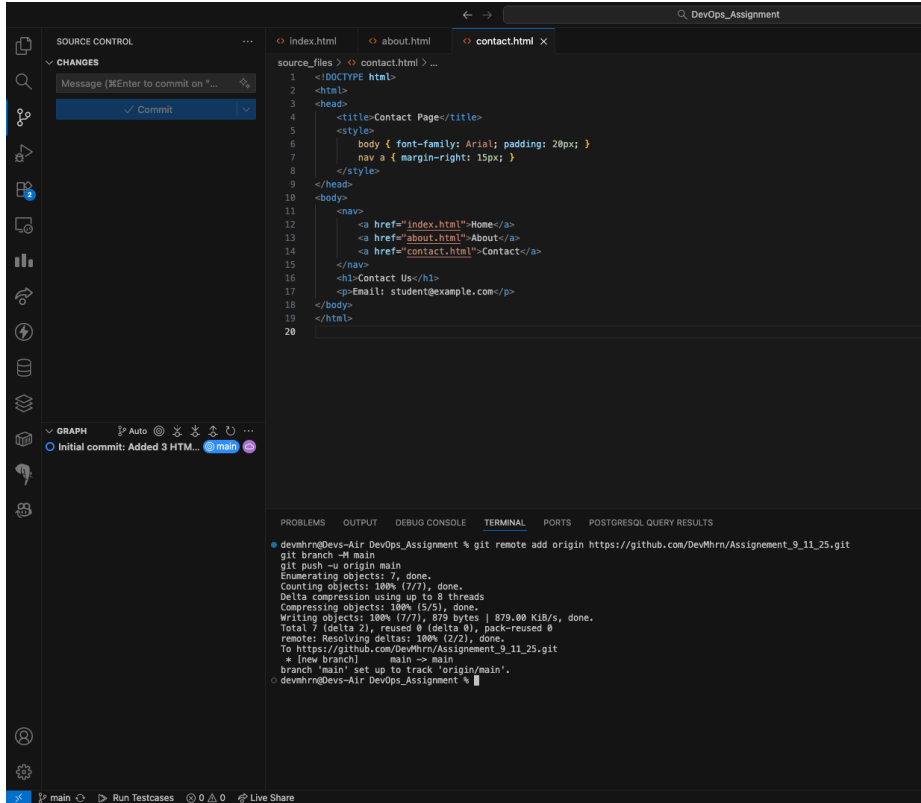
What it does: Displays commit history showing commit IDs, authors, dates, and messages



What it does: Lists, creates, or deletes branches. Branches allow parallel development



What it does: Switches between branches in your repository



Question 2:

The image shows a Docker Desktop window with a project named 'devops_assignment'. The left sidebar contains icons for Explorer, DevOps Assignment, Docker Desktop, and a search icon. The main area is divided into two panes. The top pane shows the project structure with files like 'source_files', 'about.html', 'contact.html', and 'app.py'. The bottom pane shows the Dockerfile content, which includes instructions to build an image from a base image, set the working directory, copy application files, and run the application. The right sidebar shows a list of containers and networks. The bottom of the window features a timeline and a terminal window. The terminal window displays the output of the command 'docker build -t devops-hello-world .', showing the progress of the build, including the creation of the Dockerfile, the copying of files, and the final image creation.

[illegible]

The screenshot shows a Visual Studio Code editor with a project named 'DevOps_Assignment'. The Explorer sidebar on the left shows a file structure with 'source_files' containing 'about.html', 'app.py', 'contact.html', 'Dockerfile', and 'index.html'. The Dockerfile is open in the editor, showing a multi-stage build for a Python application. The terminal at the bottom shows the execution of Docker commands: 'docker login', 'docker tag', and 'docker push', with their respective outputs.

```
source_files > Dockerfile > ...
1 # Use official Python runtime as base image
2 FROM python:3.9-slim
3
4 # Set working directory in container
5 WORKDIR /app
6
7 # Copy application file into container
8 COPY app.py .
9
10 # Run the application
11 CMD ["python", "app.py"]
12
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POSTGRESOL QUERY RESULTS

```
devmhrn@Devs-Air source_files % docker login
USING WEB-BASED LOGIN
Info - To sign in with credentials on the command line, use 'docker login -u <username>'

Your one-time device confirmation code is: JNDG-PIMZ
Press ENTER to open your browser or submit your device code here: https://login.docker.com/activate

Waiting for authentication in the browser...
Login Succeeded
devmhrn@Devs-Air source_files % docker tag local-image:tag debashis796/repository:tag
Error response from daemon: No such image: local-image:tag
devmhrn@Devs-Air source_files % docker tag devmhrn-hello:v1 debashis796/devmhrn-hello:v1
devmhrn@Devs-Air source_files % docker push debashis796/devmhrn-hello:v1

The push refers to repository [docker.io/debashis796/devmhrn-hello]
a16e55119267: Pushed
d498e987674: Pushed
c23f4b583473: Pushed
ebfe7d4fa8c5: Pushed
67b775ae581e: Pushed
479b8ad80cc3: Pushed
6628eb9d8ac8: Pushed
v1: digest: sha256:96d0bb129713bee2736a475eb21b001f86f36824b5480f0dca86b357f064a833 size: 856
devmhrn@Devs-Air source_files %
```

The screenshot shows the Docker Hub repository page for 'debashis796/devmhrn-hello'. The page includes a sidebar with navigation options like 'Repositories', 'Hardened Images', 'Collaborations', 'Settings', 'Billing', and 'Usage'. The main content area shows the repository details, including the 'General' tab, 'Tags' section, and 'Repository overview'. The 'Tags' section shows a single tag 'v1' with a size of 43.2 MB and a push time of 3 minutes. The 'Repository overview' section is currently incomplete.

Repositories / devmhrn-hello / General

debashis796/devmhrn-hello

Last pushed 3 minutes ago · Repository size: 43.2 MB · ☆ 0 · ↓ 0

Add a description

Add a category

General Tags Image Management BETA Collaborators Webhooks Settings

Tags

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
v1		Image	less than 1 day	3 minutes

See all

Repository overview INCOMPLETE

An overview describes what your image does and how to run it. It displays in the public view of your repository once you have pushed some content.

Add overview

Using 0 of 1 private repositories.

Docker commands

To push a new tag to this repository:

```
docker push debashis796/devmhrn-hello:tagname
```

Public view

buildcloud

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