

Step 1: Clone remote repository to my local system

```
Administrator: Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Administrator\Desktop\common training exam> git clone git@github.com:omarFarukPialBJIT/Quantum-Quasar.git
Cloning into 'Quantum-Quasar'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
PS C:\Users\Administrator\Desktop\common training exam> ls

Directory: C:\Users\Administrator\Desktop\common training exam

Mode                LastWriteTime         Length Name
----                -
d-----            8/17/2023   2:48 PM          Quantum-Quasar

PS C:\Users\Administrator\Desktop\common training exam> pwd

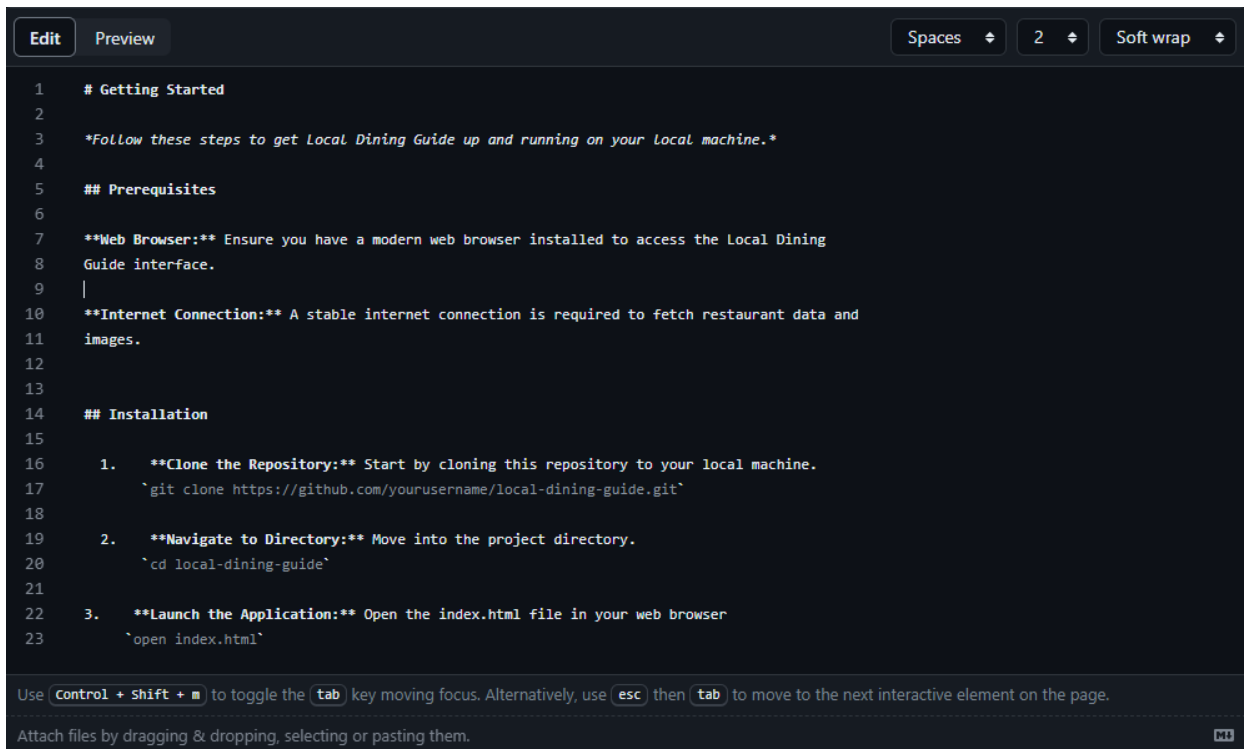
Path
----
C:\Users\Administrator\Desktop\common training exam

PS C:\Users\Administrator\Desktop\common training exam> cd .\Quantum-Quasar\
PS C:\Users\Administrator\Desktop\common training exam\Quantum-Quasar> |
```

Step 2: Added a new local branch named “development-tazwar” to make local changes to it which will then be merged with the remote “development” branch.

```
PS C:\Users\Administrator\Desktop\common training exam\Quantum-Quasar> git branch -r
origin/HEAD -> origin/main
origin/development
origin/main
PS C:\Users\Administrator\Desktop\common training exam\Quantum-Quasar> git branch
* main
PS C:\Users\Administrator\Desktop\common training exam\Quantum-Quasar> git checkout -b development-tazwar
Switched to a new branch 'development-tazwar'
PS C:\Users\Administrator\Desktop\common training exam\Quantum-Quasar> git branch
* development-tazwar
main
PS C:\Users\Administrator\Desktop\common training exam\Quantum-Quasar> |
```

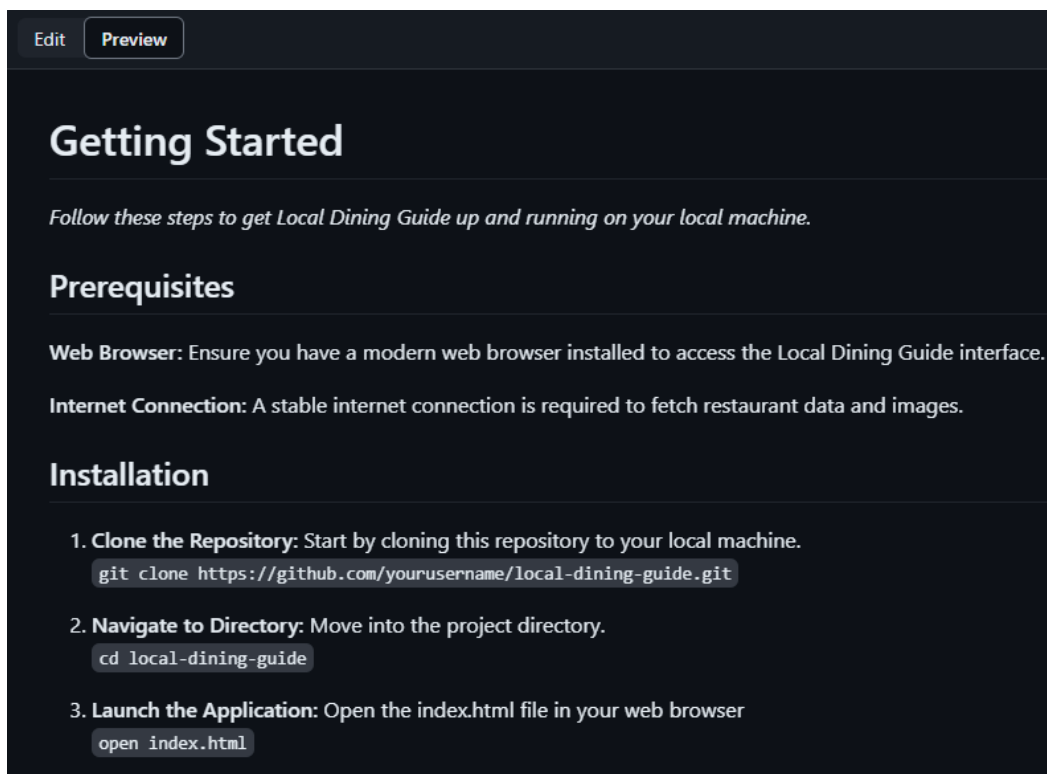
Step 3: I used a dummy repo to create the Markdown file in order to preview it.



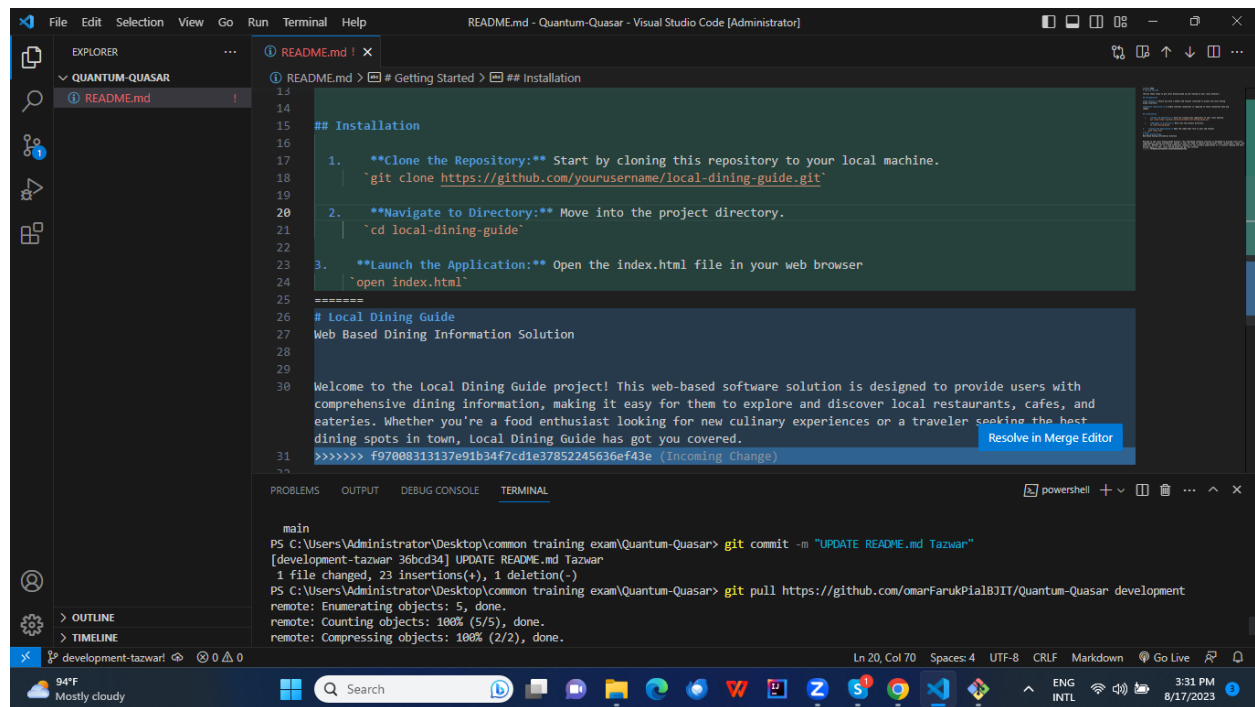
The screenshot shows a code editor with a dark theme. At the top, there are tabs for 'Edit' and 'Preview', and settings for 'Spaces' (set to 2), 'Soft wrap', and a dropdown menu. The code is a Markdown file with the following content:

```
1 # Getting Started
2
3 *Follow these steps to get Local Dining Guide up and running on your local machine.*
4
5 ## Prerequisites
6
7 **Web Browser:** Ensure you have a modern web browser installed to access the Local Dining
8 Guide interface.
9 |
10 **Internet Connection:** A stable internet connection is required to fetch restaurant data and
11 images.
12
13
14 ## Installation
15
16 1. **Clone the Repository:** Start by cloning this repository to your local machine.
17   `git clone https://github.com/yourusername/local-dining-guide.git`
18
19 2. **Navigate to Directory:** Move into the project directory.
20   `cd local-dining-guide`
21
22 3. **Launch the Application:** Open the index.html file in your web browser
23   `open index.html`
```

Below the code, there is a footer with instructions: "Use **Control + Shift + M** to toggle the **tab** key moving focus. Alternatively, use **esc** then **tab** to move to the next interactive element on the page." and "Attach files by dragging & dropping, selecting or pasting them." with a small icon on the right.



Step 4: There is a local merge conflict that needs to be resolved locally.



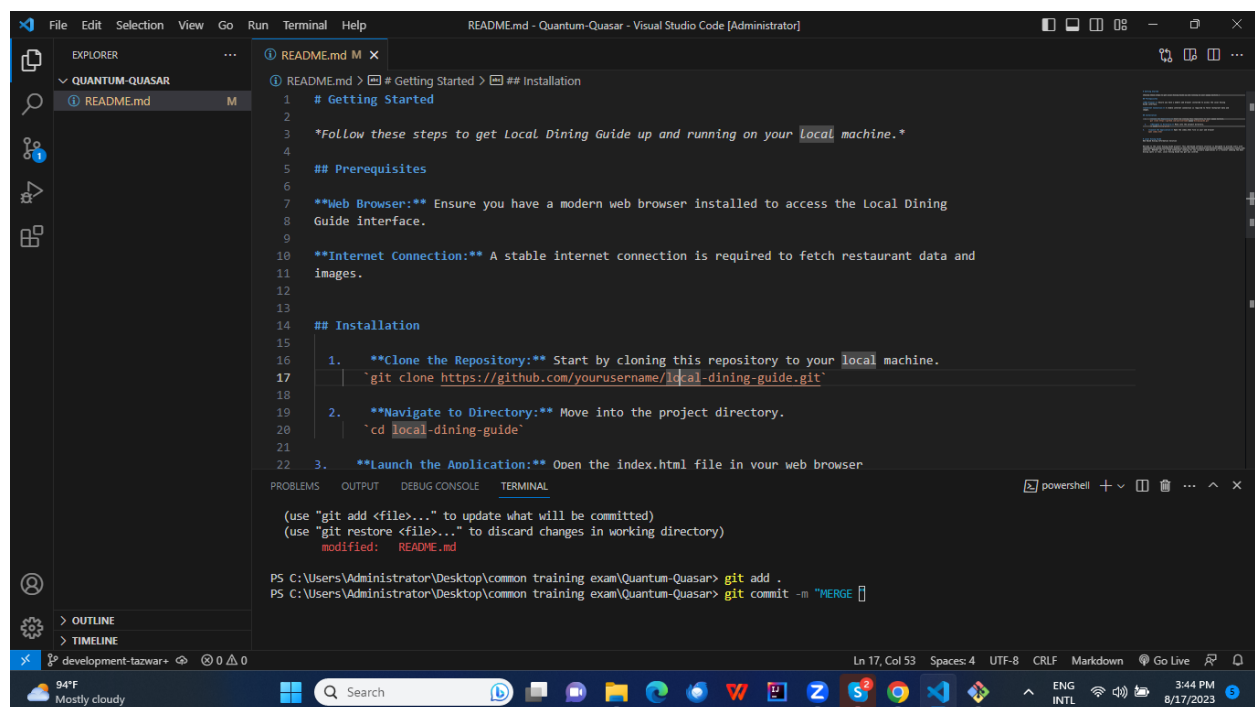
```
File Edit Selection View Go Run Terminal Help
README.md - Quantum-Quasar - Visual Studio Code [Administrator]

EXPLORER
  QUANTUM-QUASAR
    README.md !

13
14
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22
23 3. **Launch the Application:** Open the index.html file in your web browser
24   `open index.html`
25
26 =====
27 # Local Dining Guide
28 Web Based Dining Information Solution
29
30 Welcome to the Local Dining Guide project! This web-based software solution is designed to provide users with
31 comprehensive dining information, making it easy for them to explore and discover local restaurants, cafes, and
32 eateries. Whether you're a food enthusiast looking for new culinary experiences or a traveler seeking the best
33 dining spots in town, Local Dining Guide has got you covered.
34
35 >>>>> f97008313137e91b34f7cd1e37852245636ef43e (Incoming Change) [Resolve in Merge Editor]

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS C:\Users\Administrator\Desktop\common training exam\Quantum-Quasar> git commit -m "UPDATE README.md Tazwar"
[development-tazwar 36bcd34] UPDATE README.md Tazwar
1 file changed, 23 insertions(+), 1 deletion(-)
PS C:\Users\Administrator\Desktop\common training exam\Quantum-Quasar> git pull https://github.com/omarFarukPialB3IT/Quantum-Quasar development
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
```

Step 5: Local merge conflict resolved and committed to the local “development-tazwar” branch.



```
File Edit Selection View Go Run Terminal Help
README.md - Quantum-Quasar - Visual Studio Code [Administrator]

EXPLORER
  QUANTUM-QUASAR
    README.md M

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22
23 (use "git add <file>..." to update what will be committed)
24 (use "git restore <file>..." to discard changes in working directory)
25 modified:   README.md
26
27 PS C:\Users\Administrator\Desktop\common training exam\Quantum-Quasar> git add .
28 PS C:\Users\Administrator\Desktop\common training exam\Quantum-Quasar> git commit -m "MERGE"

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
```

Step 6: Pull from remote repository after team members made changes

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

Switched to branch 'development-tazwar'
PS C:\Users\Administrator\Desktop\common training exam\Quantum-Quasar> git pull origin development
remote: Enumerating objects: 25, done.
remote: Counting objects: 100% (25/25), done.
remote: Compressing objects: 100% (13/13), done.
remote: Total 21 (delta 6), reused 19 (delta 6), pack-reused 0
Unpacking objects: 100% (21/21), 60.85 KiB | 199.00 KiB/s, done.
From github.com:omarFarukPialBJIT/Quantum-Quasar
* branch          development -> FETCH_HEAD
  dcdea6f..5244b6b development -> origin/development
Auto-merging README.md
Merge made by the 'ort' strategy.
 README.md       | 88 ++++++
 facebook.png    | Bin 0 -> 10265 bytes
```

Step 7: Successfully merge my local “development-tazwar” branch with remote “development” branch.

