

This document includes the output of the commands:

- `git add`
- `git commit`
- `Git commit -a`
- `git checkout`
- `git checkout -b`
- `git clone`
- `git fetch`
- `git merge`
- `git pull`
- `git push`
- `git reset`
- `git rebase`
- `git fork`

Note:

All the below command input and output are purely for test purpose only.

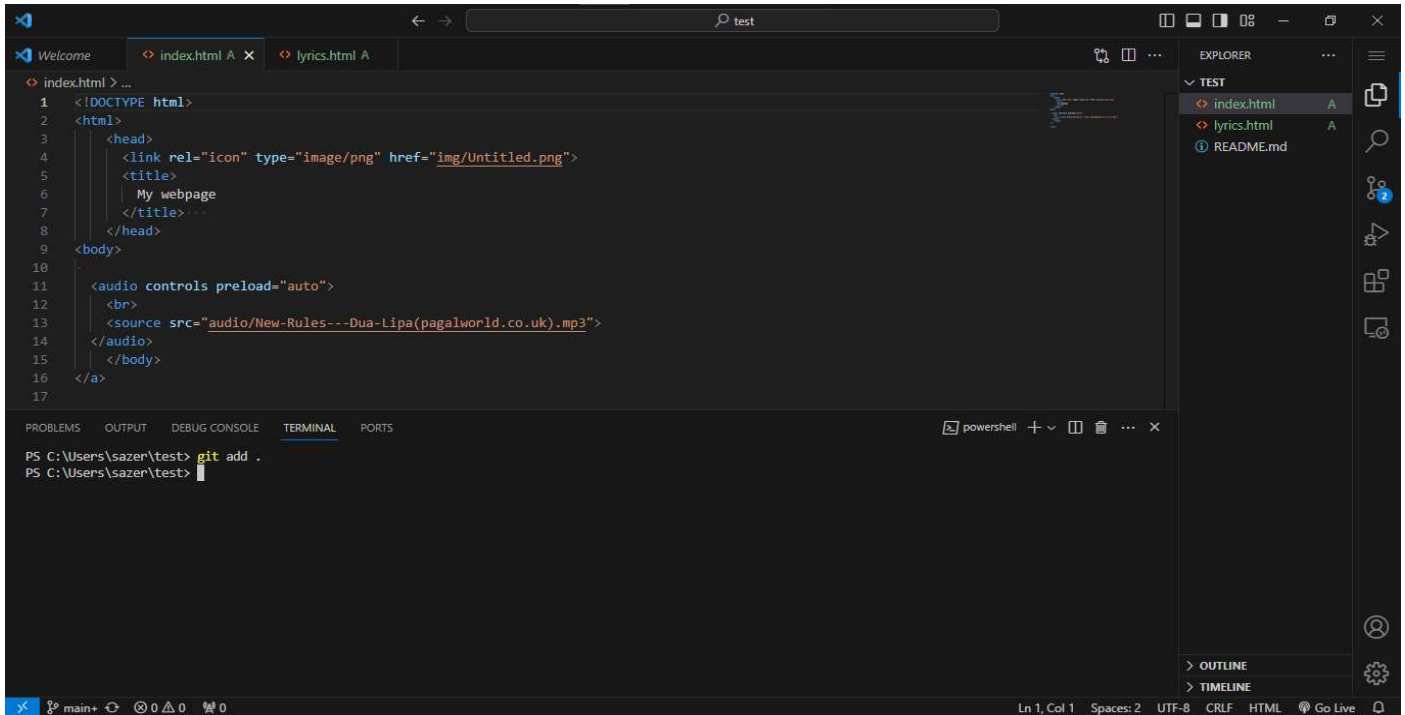
And I used chat-gpt whenever an error arised which I could not fix

And I state that all the below work is of my work and not just a copy of others or and copy of ai generated

And the GitHub account used is mine "saketh-exe"

Uploading two html files to remote repository called test:

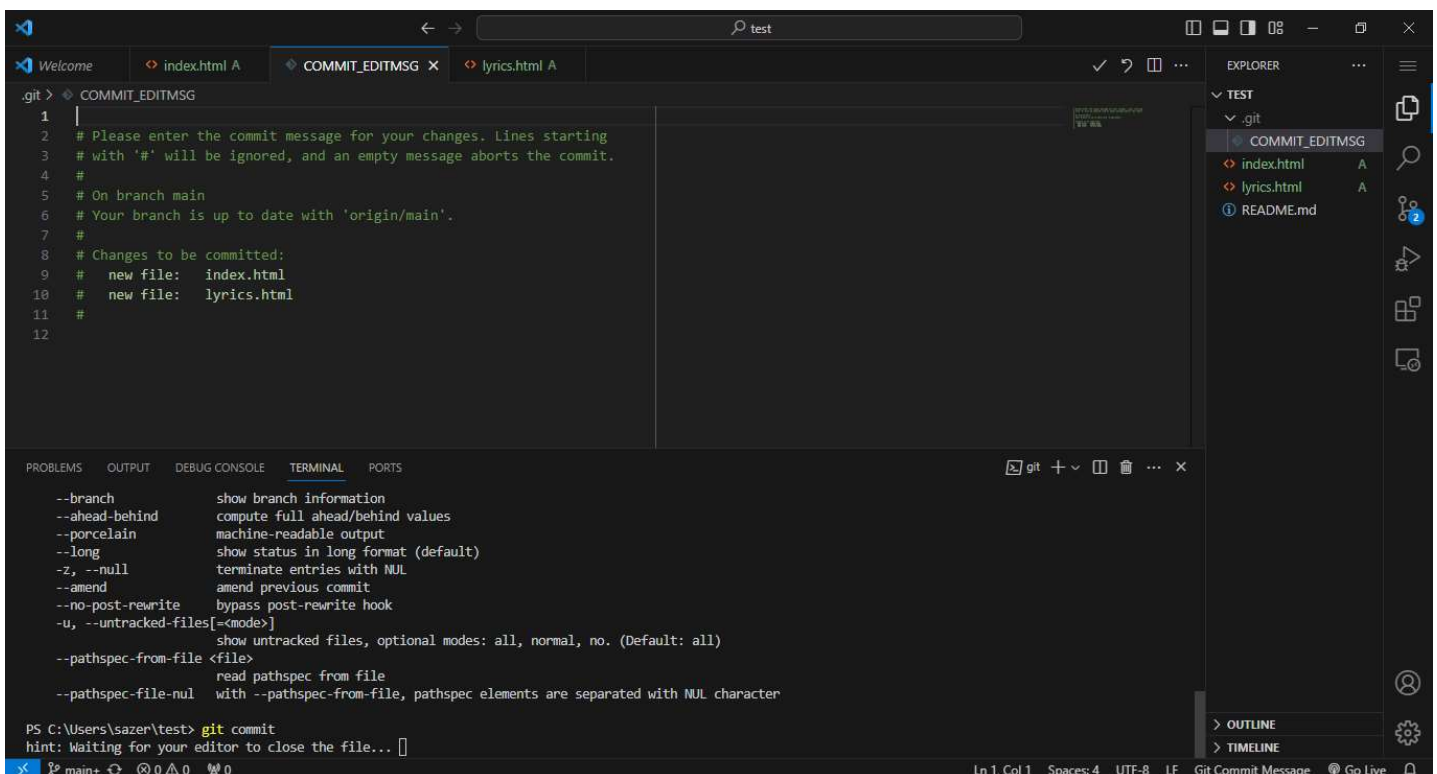
## Git add:



```
index.html > ...
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <link rel="icon" type="image/png" href="img/Untitled.png">
5     <title>
6       My webpage
7     </title>
8   </head>
9   <body>
10
11     <audio controls preload="auto">
12       <br>
13       <source src="audio/New-Rules---Dua-Lipa(pagalworld.co.uk).mp3">
14     </audio>
15   </body>
16 </a>
17
```

```
PS C:\Users\sazer\test> git add .
PS C:\Users\sazer\test>
```

## Git commit:



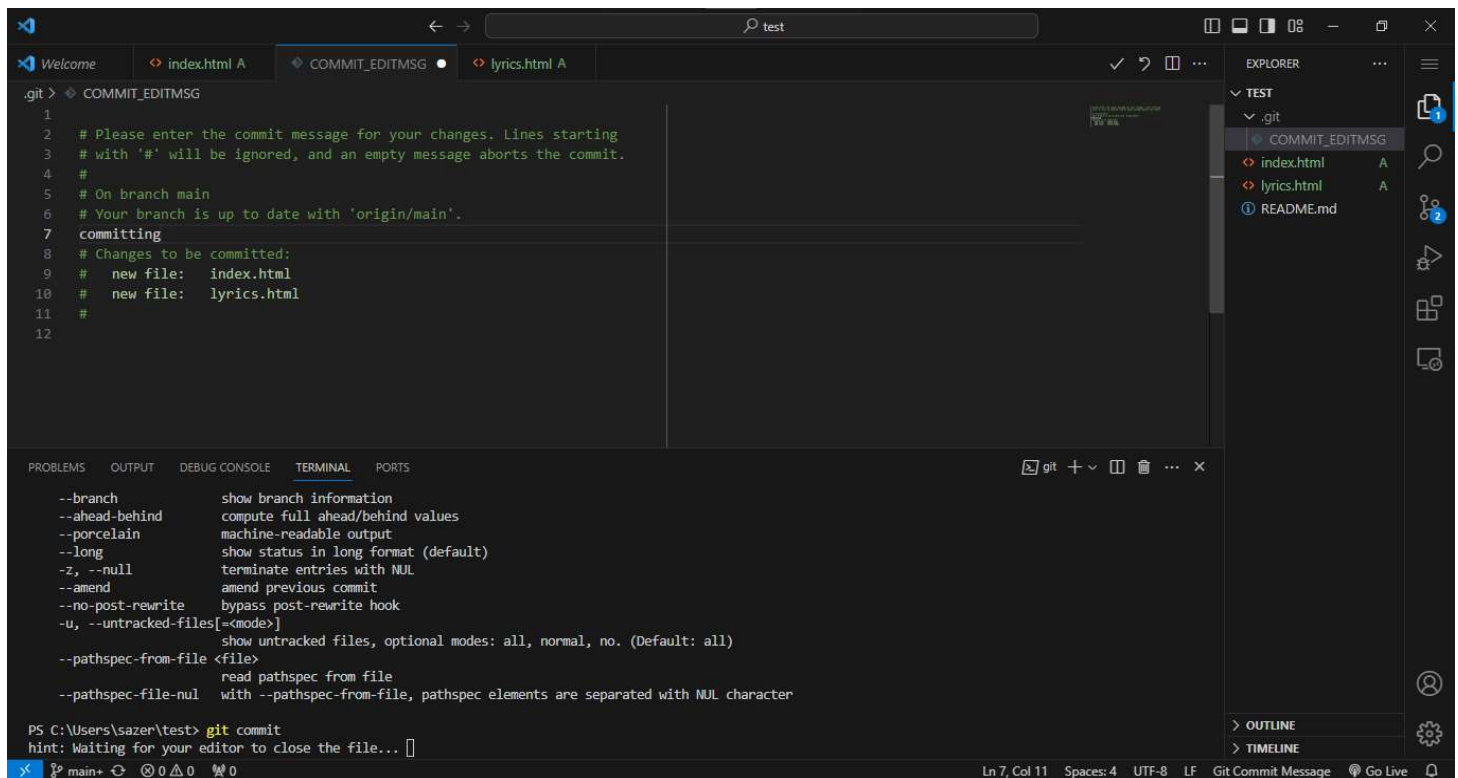
```
.git > COMMIT_EDITMSG
1 |
2 # Please enter the commit message for your changes. Lines starting
3 # with '#' will be ignored, and an empty message aborts the commit.
4 #
5 # On branch main
6 # Your branch is up to date with 'origin/main'.
7 #
8 # Changes to be committed:
9 #   new file:   index.html
10 #   new file:  lyrics.html
11 #
12
```

```
--branch          show branch information
--ahead-behind    compute full ahead/behind values
--porcelain       machine-readable output
--long           show status in long format (default)
-z, --null       terminate entries with NUL
--amend          amend previous commit
--no-post-rewrite bypass post-rewrite hook
-u, --untracked-files[=<mode>]
                    show untracked files, optional modes: all, normal, no. (Default: all)
--paths-from-file <file>
                    read pathspec from file
--paths-from-file-nul
                    with --paths-from-file, pathspec elements are separated with NUL character

PS C:\Users\sazer\test> git commit
hint: Waiting for your editor to close the file... 
```

## Git commit:

## Adding reason for the commit

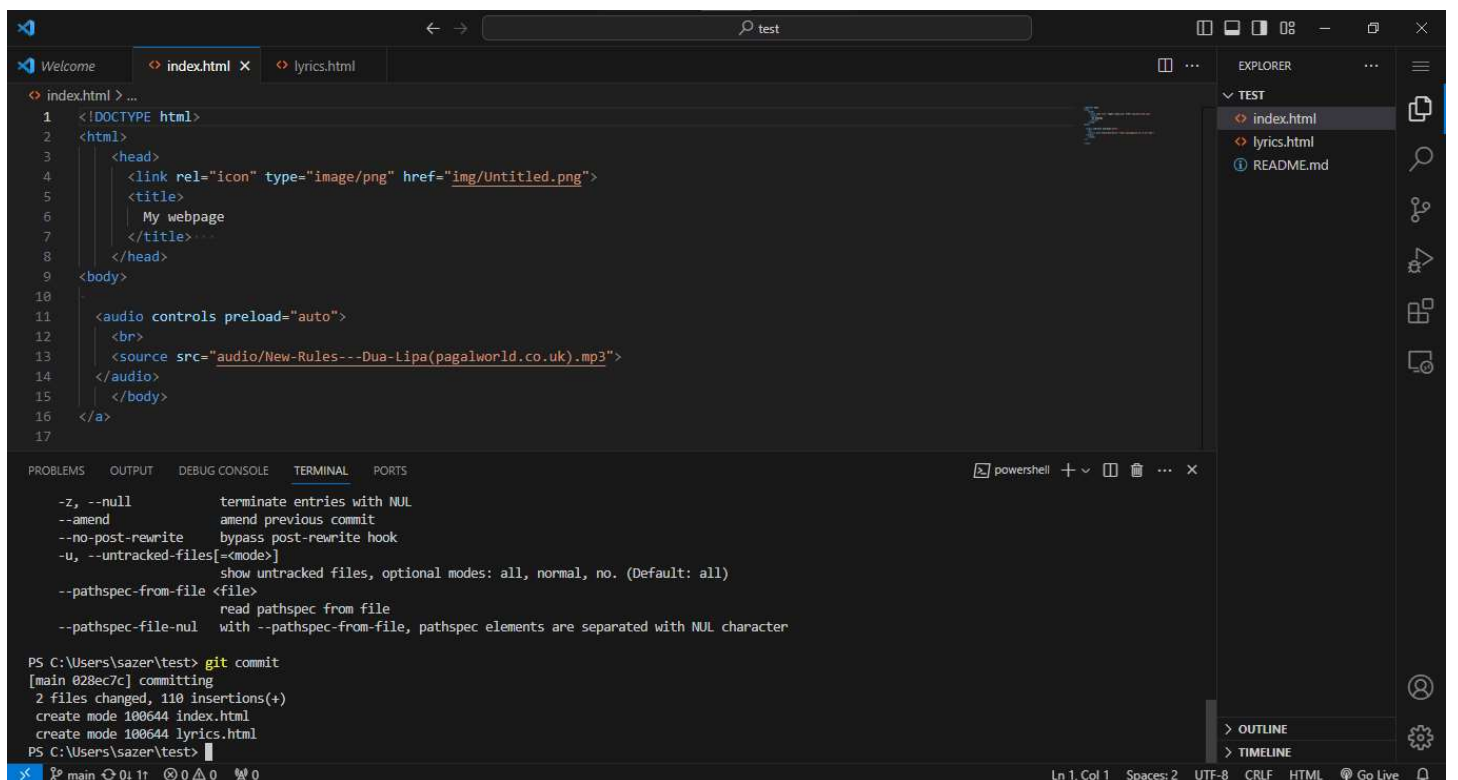


```
.git > COMMIT_EDITMSG
1
2 # Please enter the commit message for your changes. Lines starting
3 # with '#' will be ignored, and an empty message aborts the commit.
4 #
5 # On branch main
6 # Your branch is up to date with 'origin/main'.
7 committing
8 # Changes to be committed:
9 #   new file:   index.html
10 #   new file:   lyrics.html
11 #
12
```

```
--branch           show branch information
--ahead-behind      compute full ahead/behind values
--porcelain         machine-readable output
--long             show status in long format (default)
-z, --null         terminate entries with NUL
--amend            amend previous commit
--no-post-rewrite  bypass post-rewrite hook
-u, --untracked-files[=<mode>]
                    show untracked files, optional modes: all, normal, no. (Default: all)
--pathspec-from-file <file>
                    read pathspec from file
--pathspec-file-nul with --pathspec-from-file, pathspec elements are separated with NUL character

PS C:\Users\sazer\test> git commit
hint: Waiting for your editor to close the file...
```

## Git commit successful:



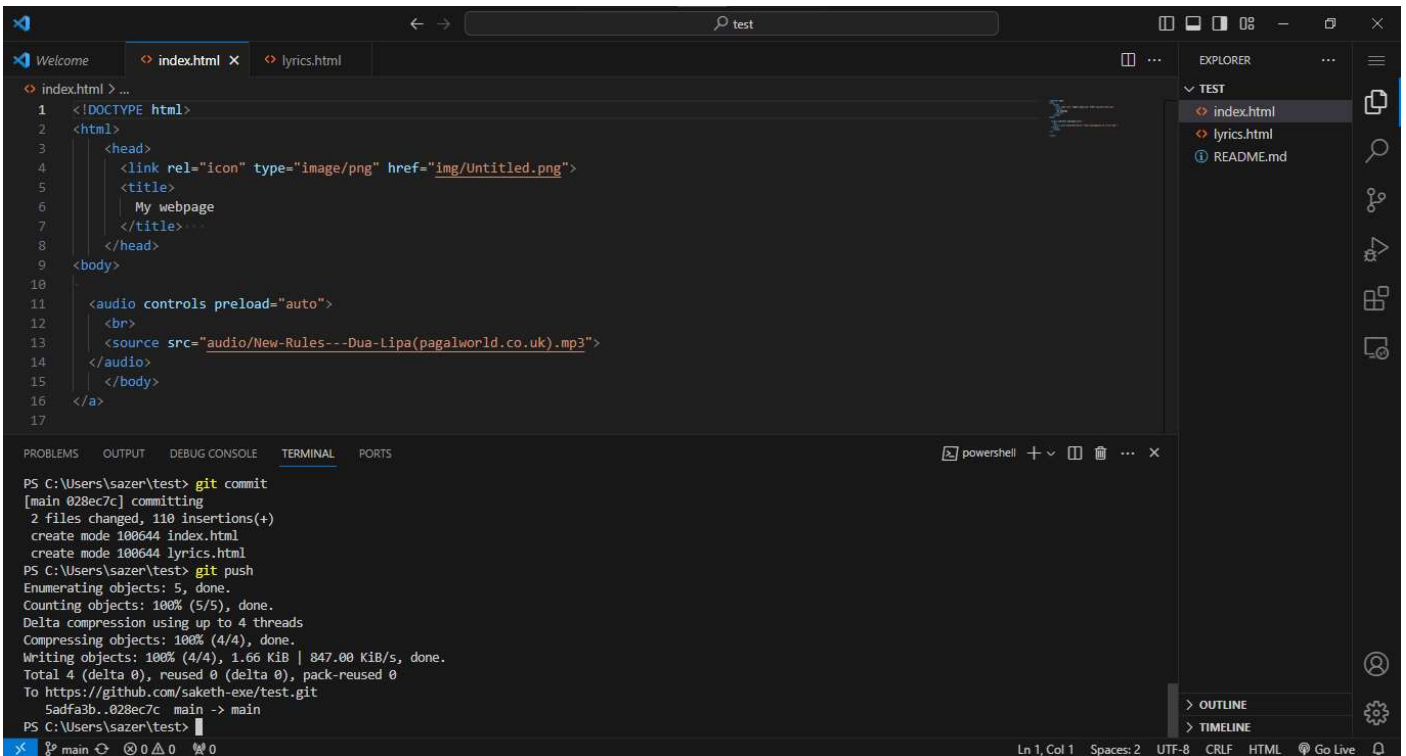
```
index.html > ...
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <link rel="icon" type="image/png" href="img/Untitled.png">
5     <title>
6       My webpage
7     </title> ...
8   </head>
9   <body>
10
11     <audio controls preload="auto">
12       <br>
13       <source src="audio/New-Rules---Dua-Lipa(pagaworld.co.uk).mp3">
14     </audio>
15   </body>
16 </a>
17
```

```
--z, --null         terminate entries with NUL
--amend            amend previous commit
--no-post-rewrite  bypass post-rewrite hook
-u, --untracked-files[=<mode>]
                    show untracked files, optional modes: all, normal, no. (Default: all)
--pathspec-from-file <file>
                    read pathspec from file
--pathspec-file-nul with --pathspec-from-file, pathspec elements are separated with NUL character

PS C:\Users\sazer\test> git commit
[main 028ec7c] committing
2 files changed, 110 insertions(+)
create mode 100644 index.html
create mode 100644 lyrics.html
PS C:\Users\sazer\test>
```

# Git push:

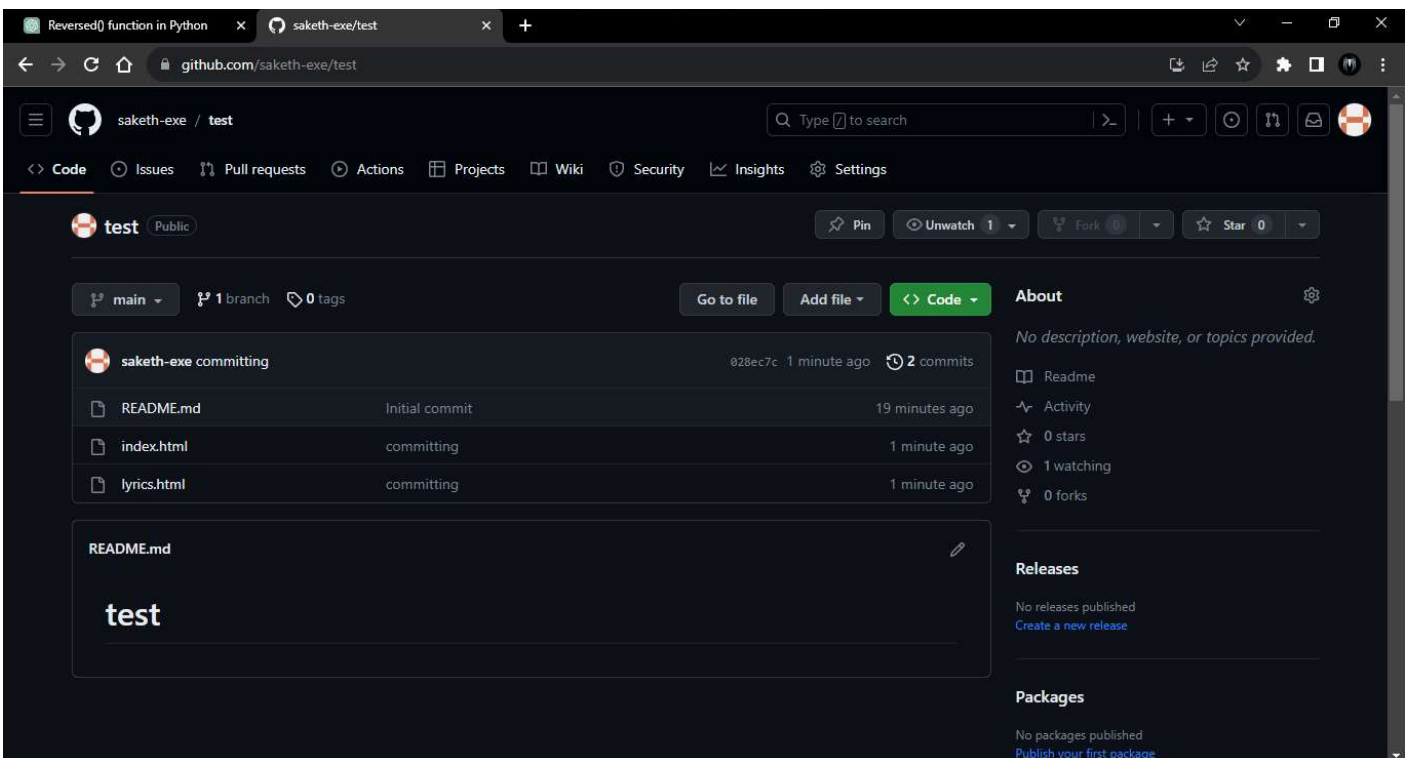
## Pushing files to the GitHub



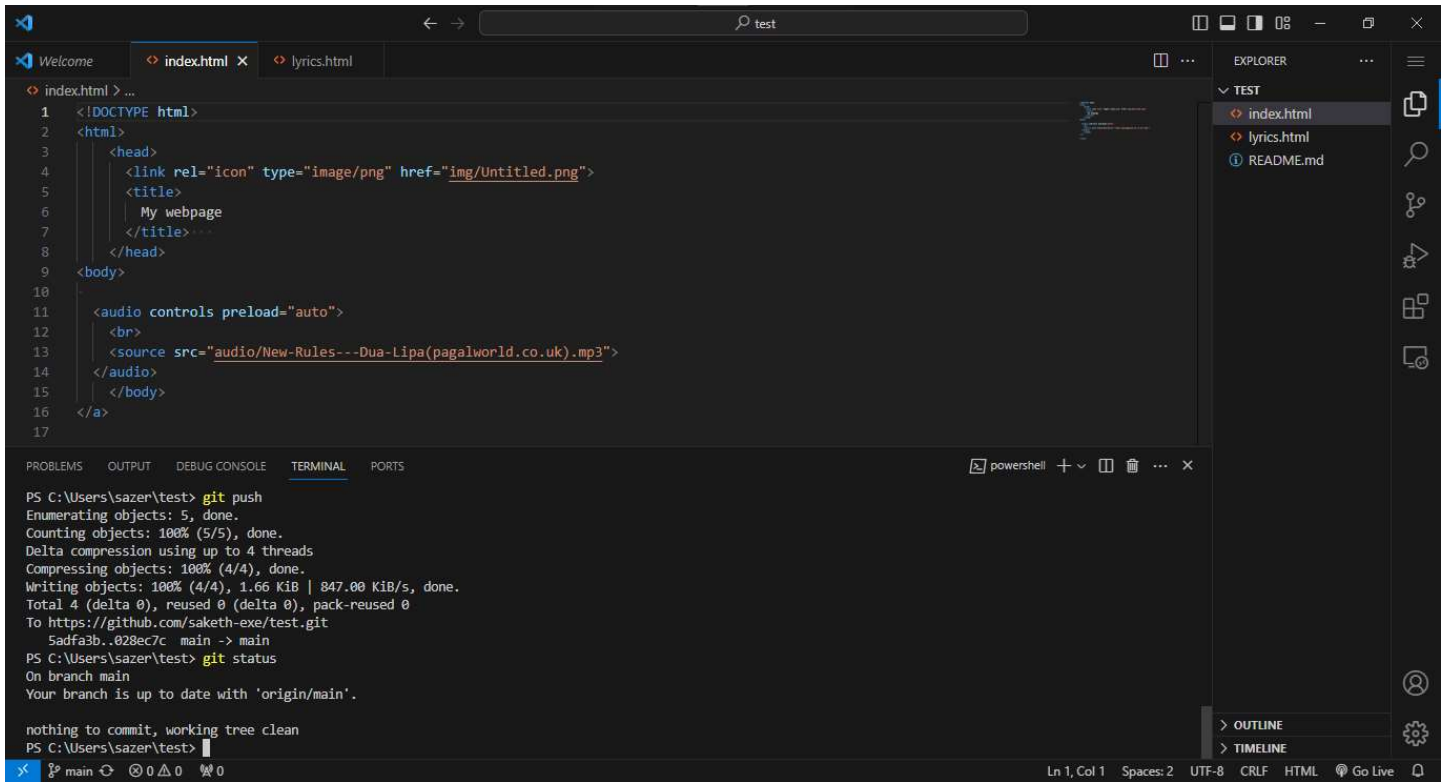
The screenshot shows the Visual Studio Code editor with a file named `index.html` open. The file contains HTML code for a webpage with an audio player. The terminal at the bottom shows the following commands and output:

```
PS C:\Users\sazer\test> git commit
[main 028ec7c] committing
2 files changed, 110 insertions(+)
create mode 100644 index.html
create mode 100644 lyrics.html
PS C:\Users\sazer\test> git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 1.66 KiB | 847.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/saketh-exe/test.git
5adfa3b..028ec7c main -> main
PS C:\Users\sazer\test>
```

## Files successfully uploaded to git hub:



# Git status:



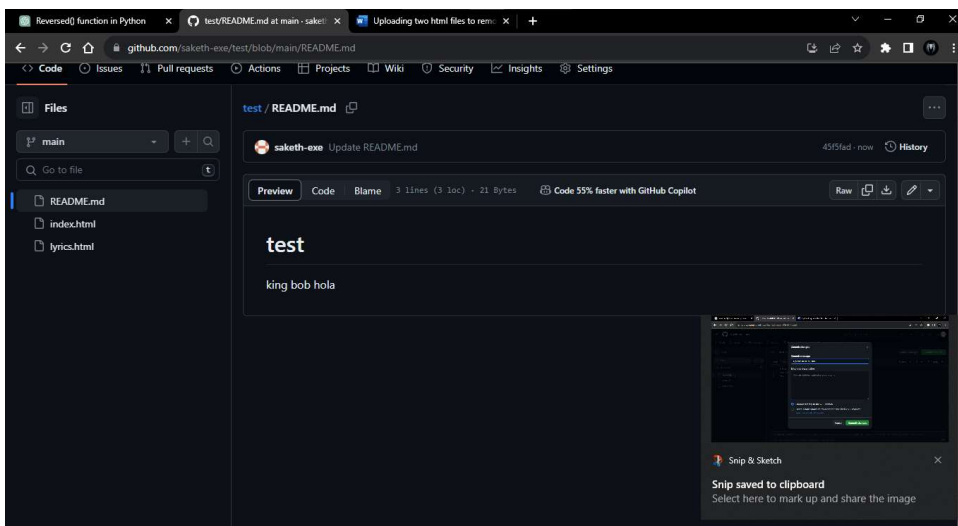
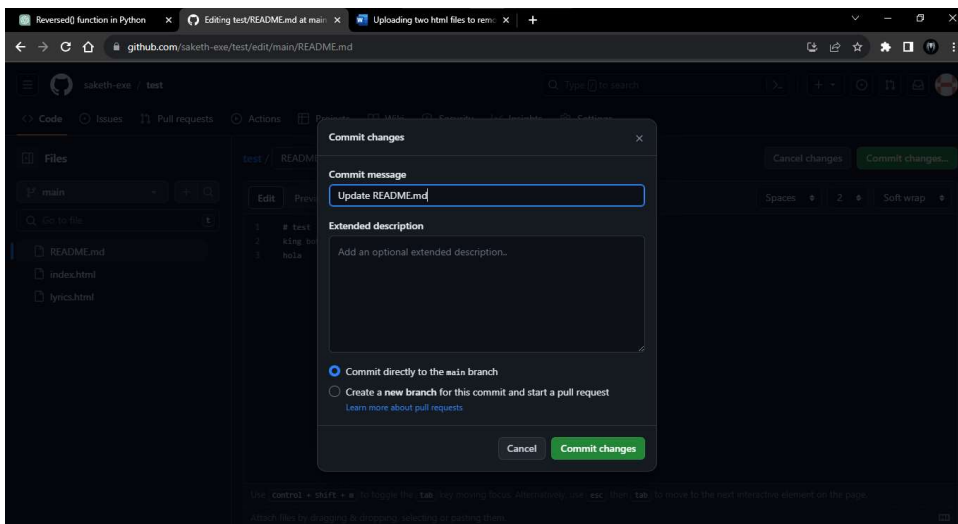
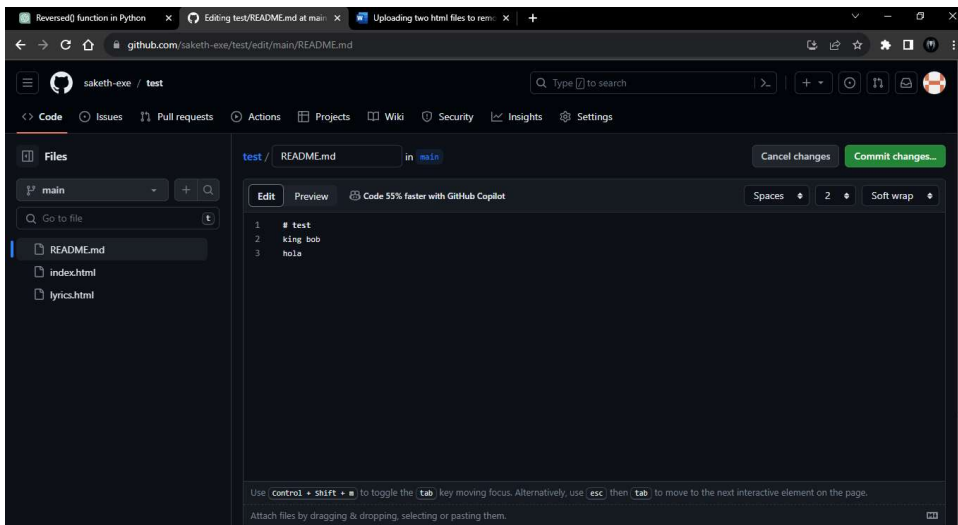
The screenshot shows the Visual Studio Code interface with a file explorer on the right showing a project named 'TEST' containing 'index.html', 'lyrics.html', and 'README.md'. The main editor displays the content of 'index.html', which is an HTML file with a head section containing a link to an icon and a title 'My webpage', and a body section containing an audio player with a source from 'pagalworld.co.uk'. The bottom panel shows the 'TERMINAL' tab with a PowerShell session. The session shows the execution of 'git push', which successfully pushes the changes to the 'main' branch of a repository on GitHub. The output of 'git status' indicates that the working tree is clean and up to date with the origin/main branch.

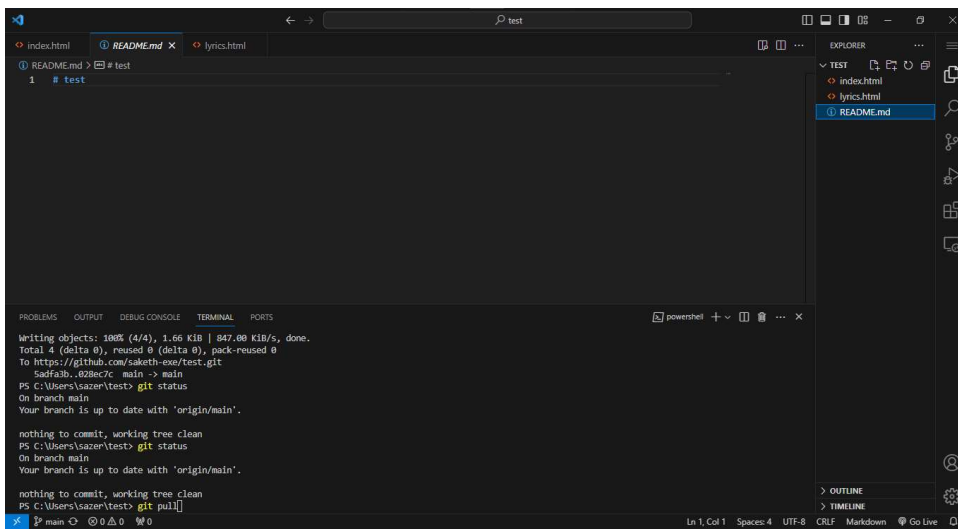
```
PS C:\Users\sazer\test> git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 1.66 KiB | 847.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/saketh-exe/test.git
  Sadfa3b..028ec7c main -> main
PS C:\Users\sazer\test> git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\sazer\test>
```

# Git pull:

## Making changes to readme in git hub:





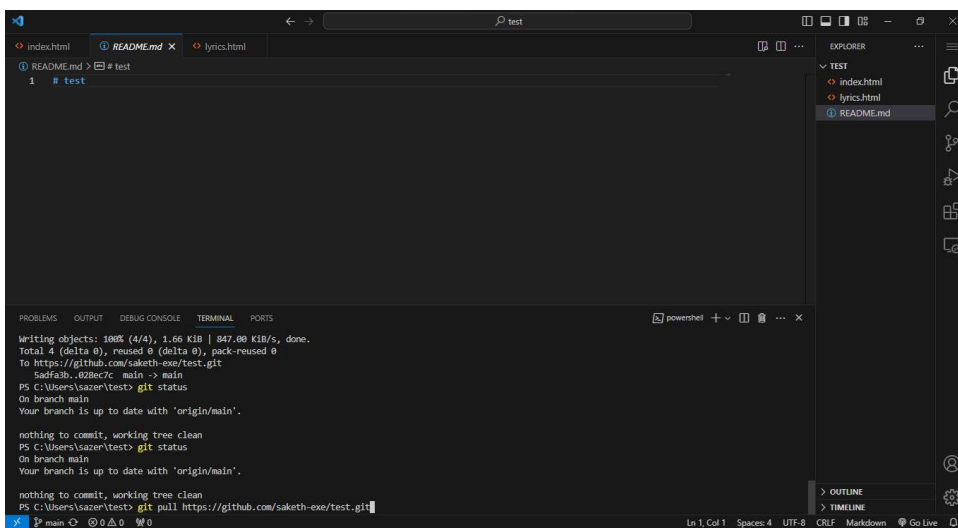
The screenshot shows the Visual Studio Code interface with a terminal window open at the bottom. The terminal displays the output of a `git status` command, indicating that the working tree is clean and the branch is up to date with 'origin/main'. The Explorer panel on the right shows the file structure of the 'test' repository, including `index.html`, `lyrics.html`, and `README.md`. The editor window shows the `README.md` file with a single line: `# test`.

```
Writing objects: 100% (4/4), 1.66 KiB | 847.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/saketh-exe/test.git
   5adfab..028ec7c  main -> main
PS C:\Users\sazer\test> git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\sazer\test> git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\sazer\test> git pull
```

## After git pull:

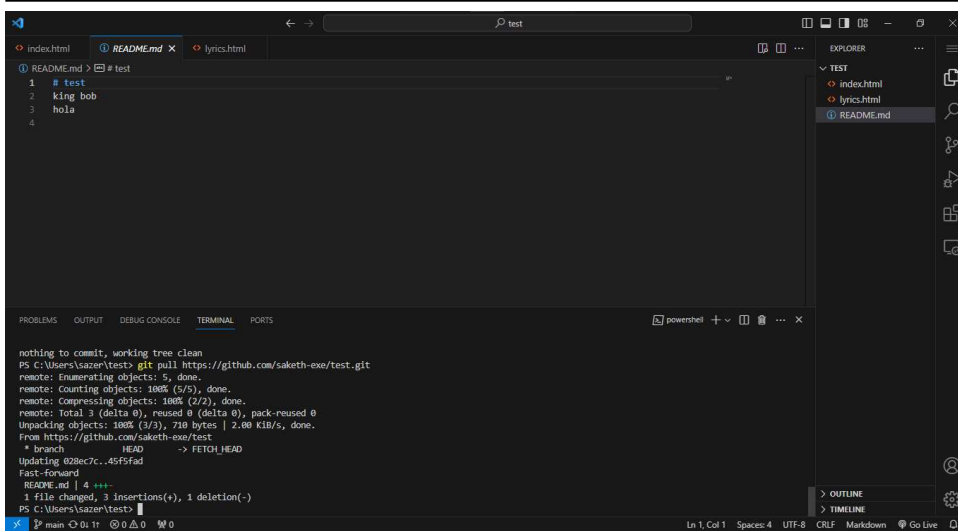


The screenshot shows the Visual Studio Code interface with a terminal window open at the bottom. The terminal displays the output of a `git pull` command, indicating that the working tree is clean and the branch is up to date with 'origin/main'. The Explorer panel on the right shows the file structure of the 'test' repository, including `index.html`, `lyrics.html`, and `README.md`. The editor window shows the `README.md` file with a single line: `# test`.

```
Writing objects: 100% (4/4), 1.66 KiB | 847.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/saketh-exe/test.git
   5adfab..028ec7c  main -> main
PS C:\Users\sazer\test> git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\sazer\test> git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\sazer\test> git pull https://github.com/saketh-exe/test.git
```

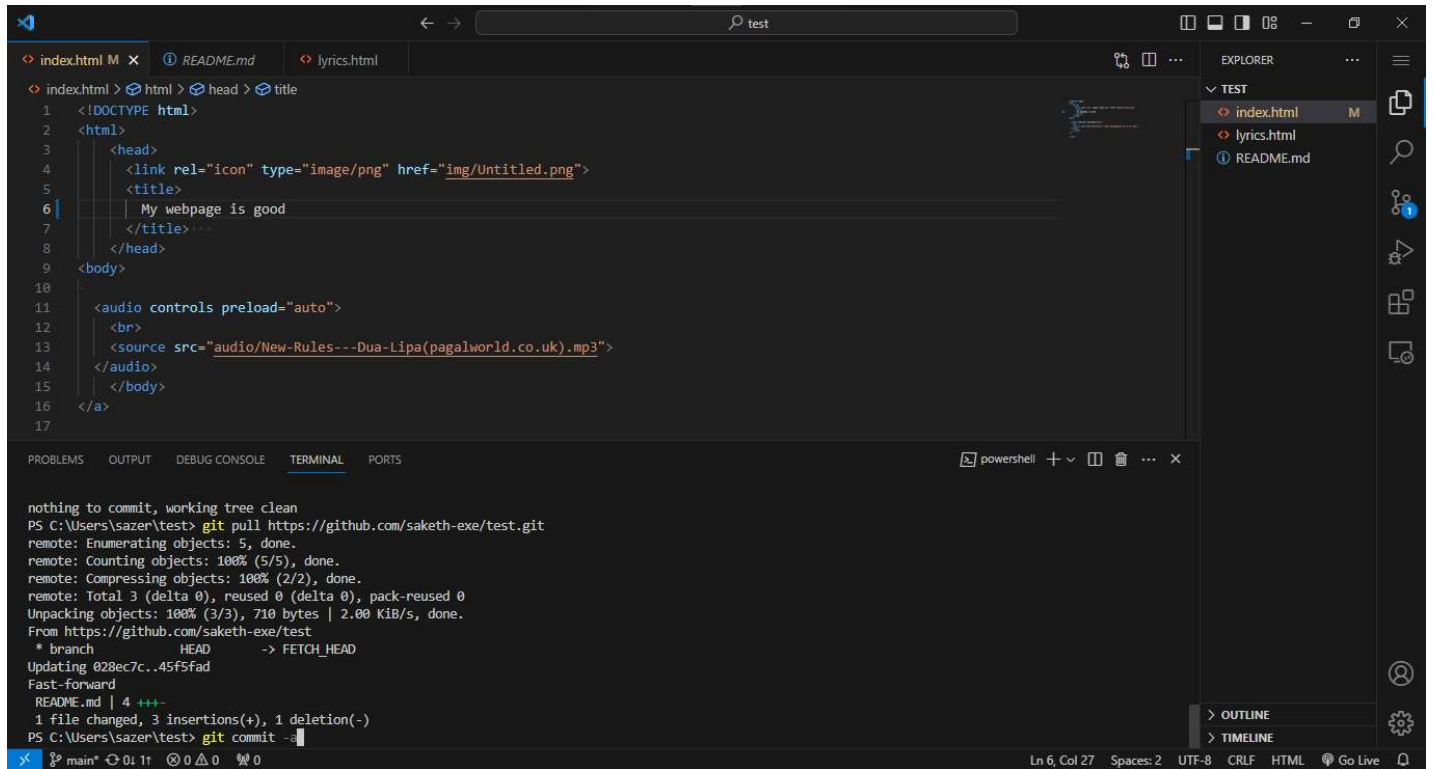


The screenshot shows the Visual Studio Code interface with a terminal window open at the bottom. The terminal displays the output of a `git pull` command, indicating that the working tree is clean and the branch is up to date with 'origin/main'. The Explorer panel on the right shows the file structure of the 'test' repository, including `index.html`, `lyrics.html`, and `README.md`. The editor window shows the `README.md` file with four lines: `# test`, `king bob`, `hola`, and `hola`.

```
nothing to commit, working tree clean
PS C:\Users\sazer\test> git pull https://github.com/saketh-exe/test.git
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 710 bytes | 2.00 KiB/s, done.
From https://github.com/saketh-exe/test
 * branch      HEAD       -> FETCH_HEAD
Updating 028ec7c..45f9fad
Fast-forward
 README.md | 4 +++
 1 file changed, 3 insertions(+), 1 deletion(-)
PS C:\Users\sazer\test>
```

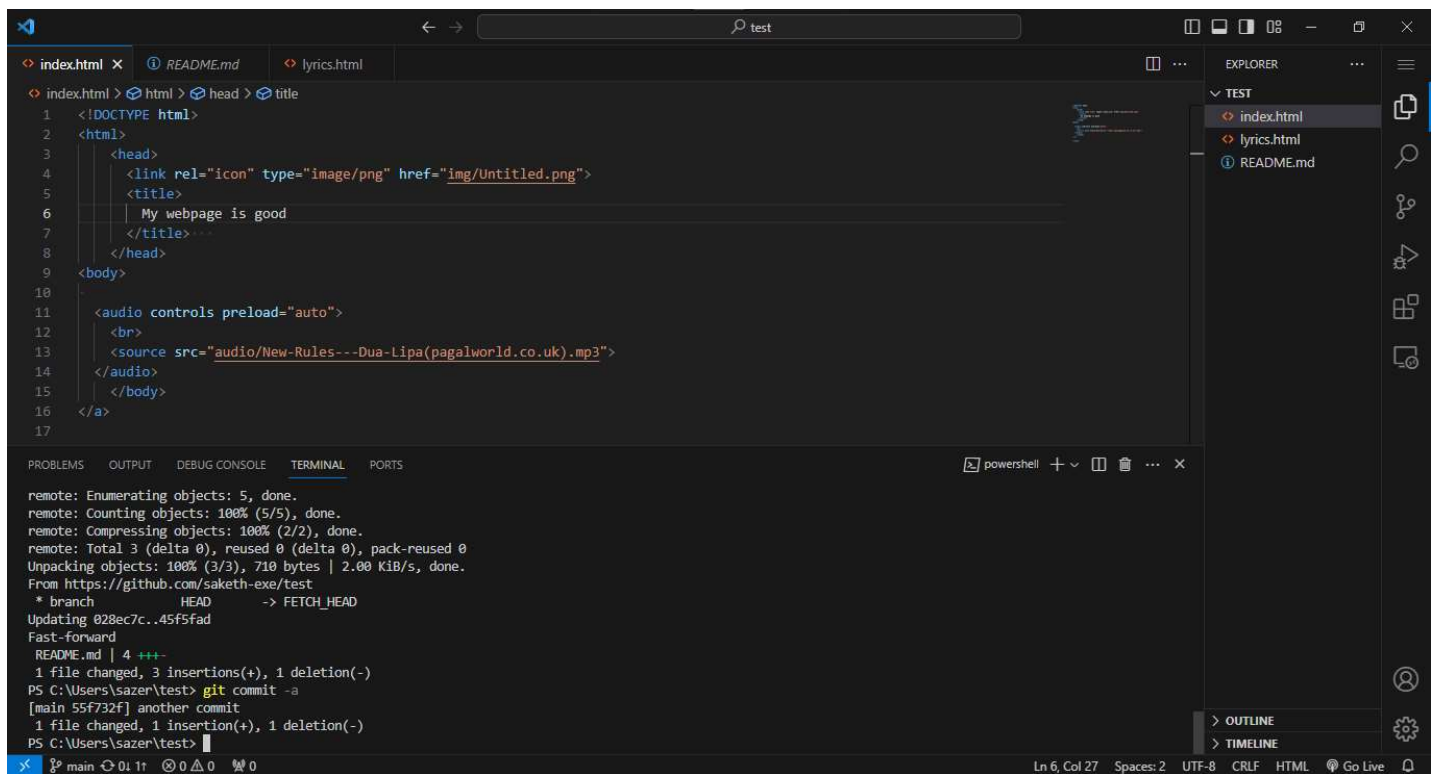


# Git commit -a:



```
index.html M X  README.md  lyrics.html
index.html > html > head > title
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <link rel="icon" type="image/png" href="img/Untitled.png">
5          <title>
6              My webpage is good
7          </title>...
8      </head>
9      <body>
10
11          <audio controls preload="auto">
12              <br>
13              <source src="audio/New-Rules---Dua-Lipa(pagalworld.co.uk).mp3">
14          </audio>
15      </body>
16  </a>
17

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
nothing to commit, working tree clean
PS C:\Users\sazer\test> git pull https://github.com/saketh-exe/test.git
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 710 bytes | 2.00 KiB/s, done.
From https://github.com/saketh-exe/test
 * branch            HEAD       -> FETCH_HEAD
Updating 028ec7c..45f5fad
Fast-forward
 README.md | 4 +++
 1 file changed, 3 insertions(+), 1 deletion(-)
PS C:\Users\sazer\test> git commit -a
```

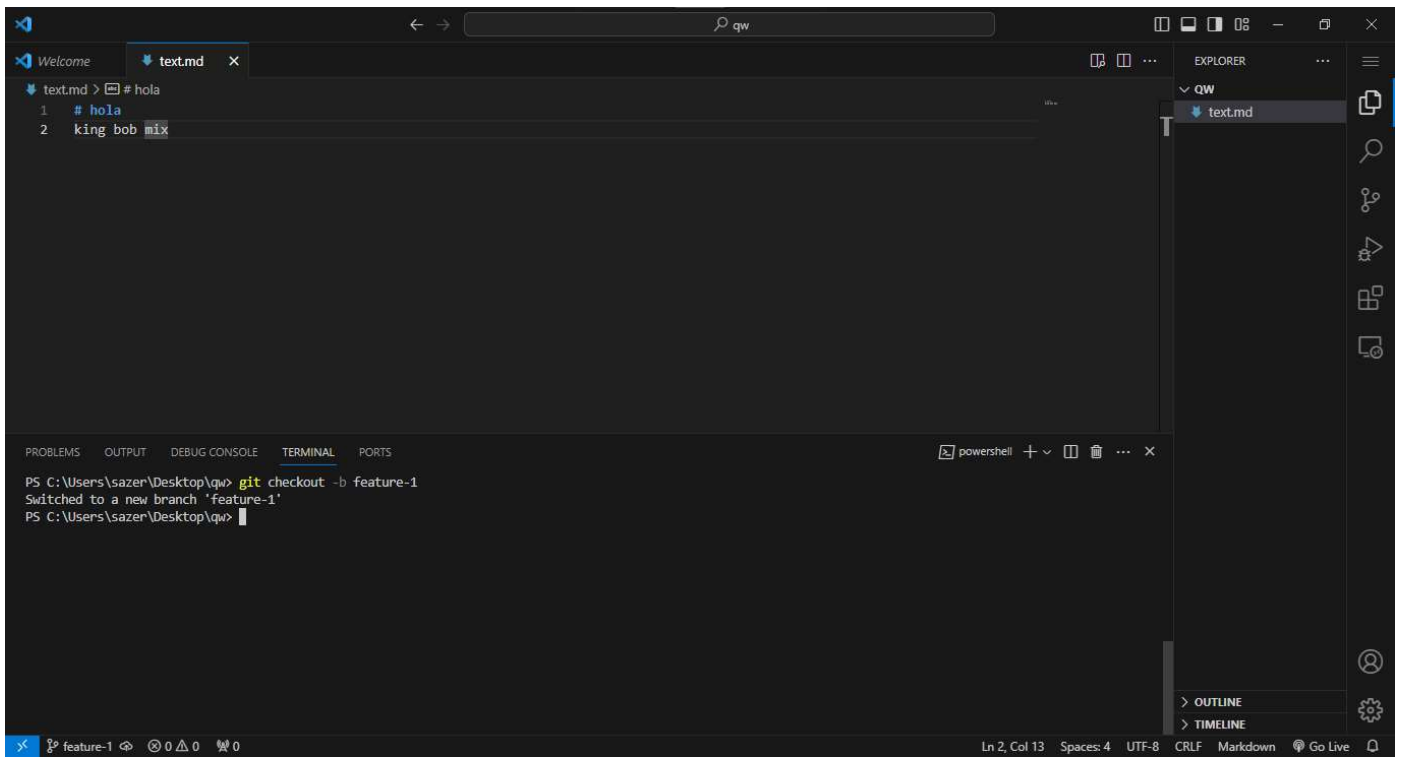
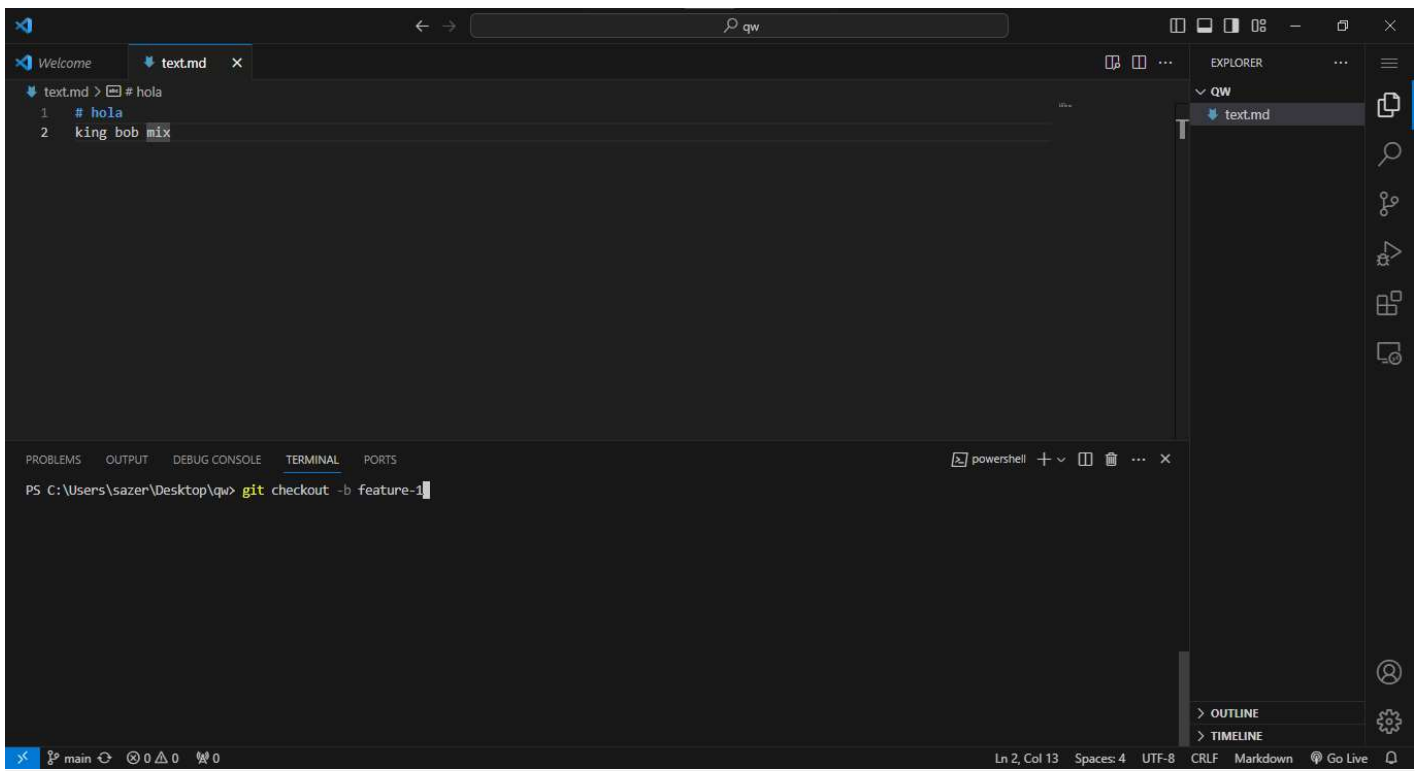


```
index.html X  README.md  lyrics.html
index.html > html > head > title
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <link rel="icon" type="image/png" href="img/Untitled.png">
5          <title>
6              My webpage is good
7          </title>...
8      </head>
9      <body>
10
11          <audio controls preload="auto">
12              <br>
13              <source src="audio/New-Rules---Dua-Lipa(pagalworld.co.uk).mp3">
14          </audio>
15      </body>
16  </a>
17

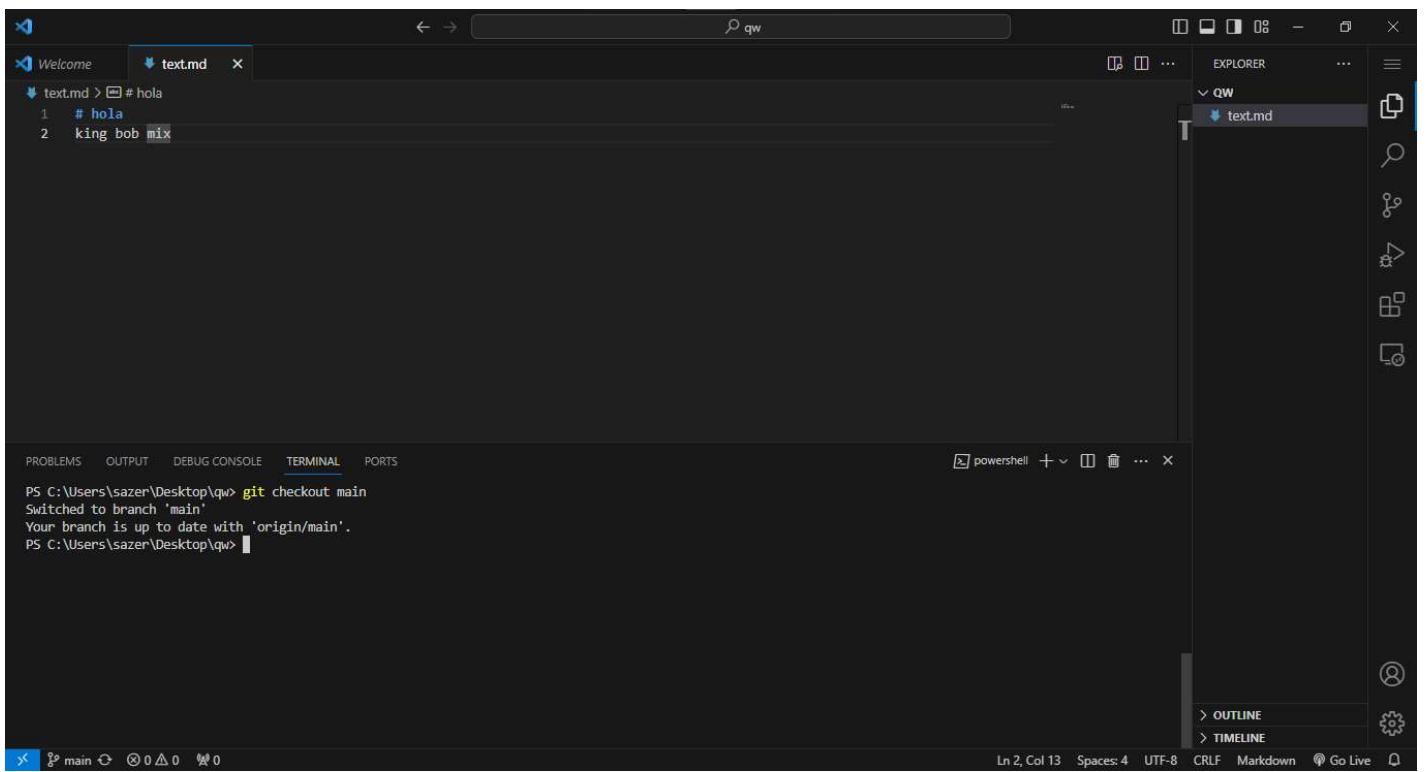
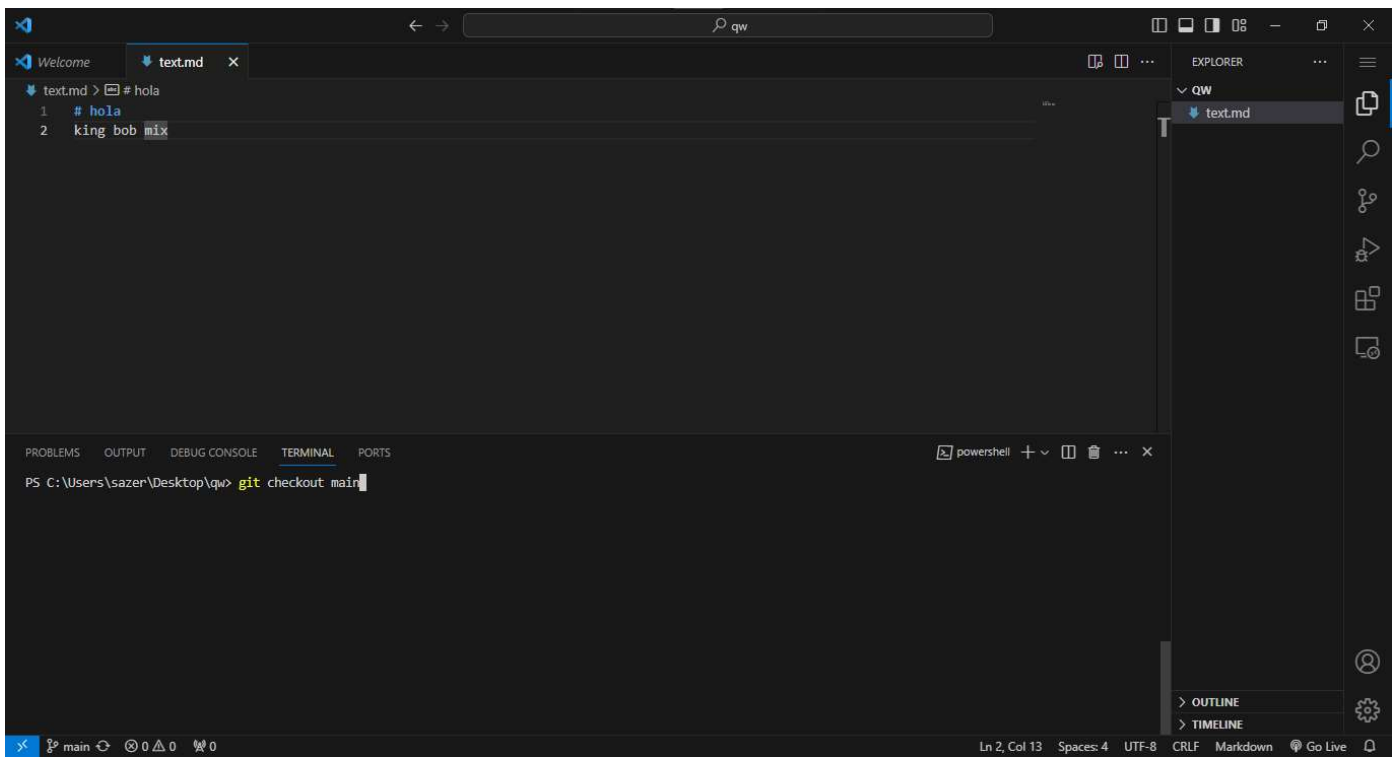
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 710 bytes | 2.00 KiB/s, done.
From https://github.com/saketh-exe/test
 * branch            HEAD       -> FETCH_HEAD
Updating 028ec7c..45f5fad
Fast-forward
 README.md | 4 +++
 1 file changed, 3 insertions(+), 1 deletion(-)
PS C:\Users\sazer\test> git commit -a
[main 55f732f] another commit
 1 file changed, 1 insertion(+), 1 deletion(-)
PS C:\Users\sazer\test>
```

# Git checkout -b:

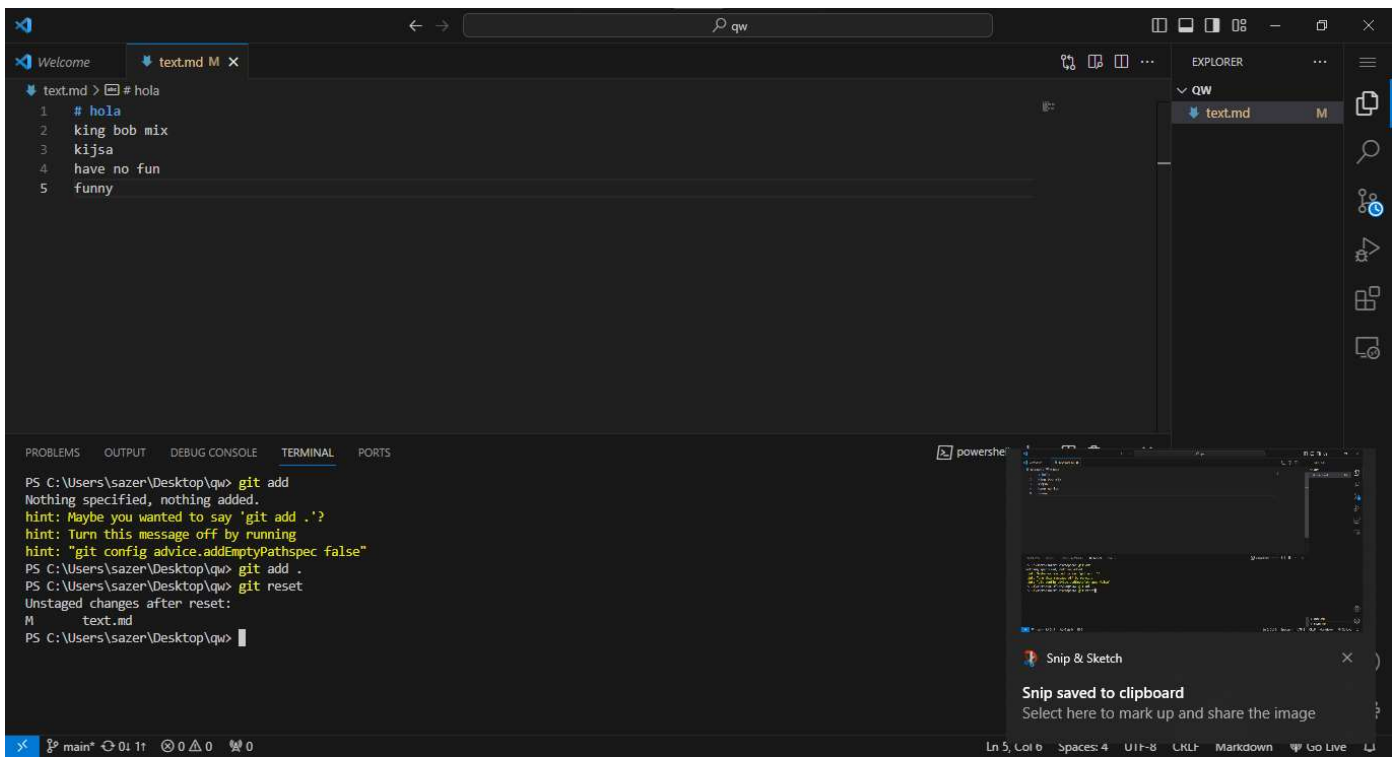
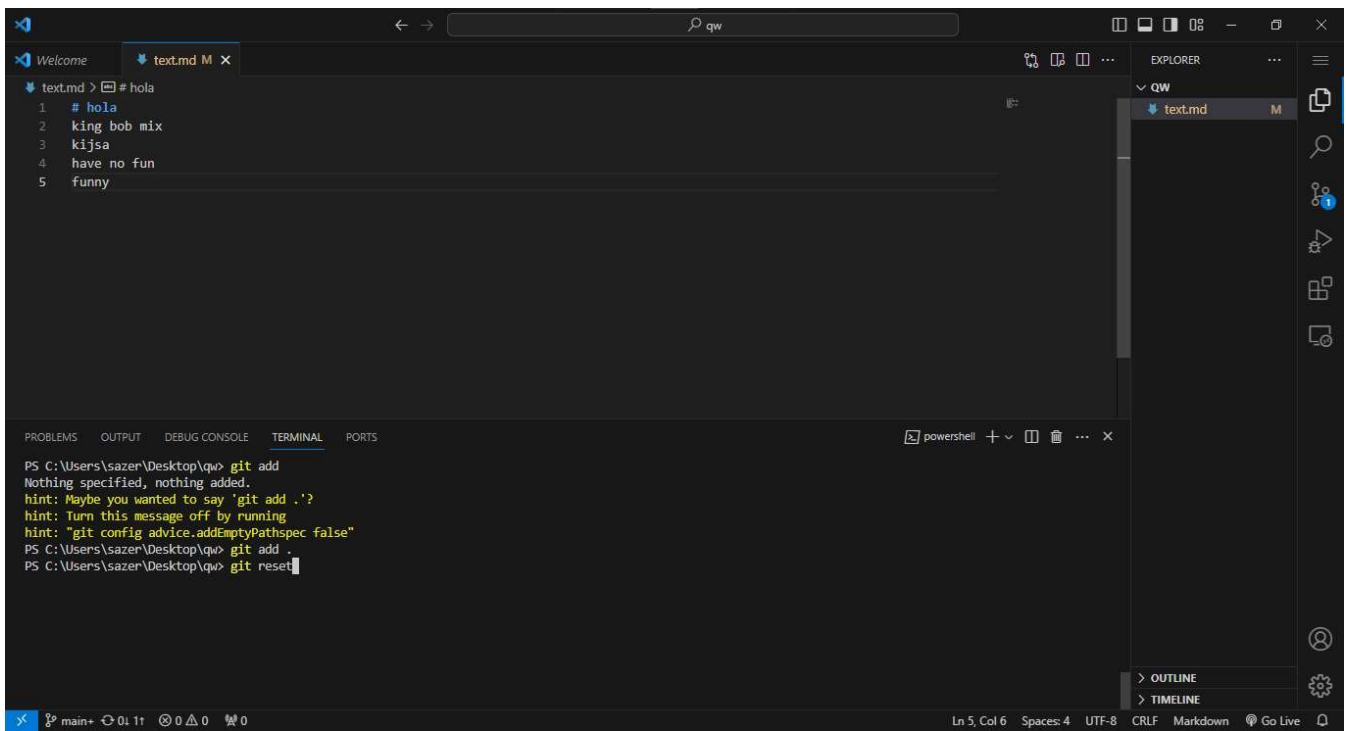




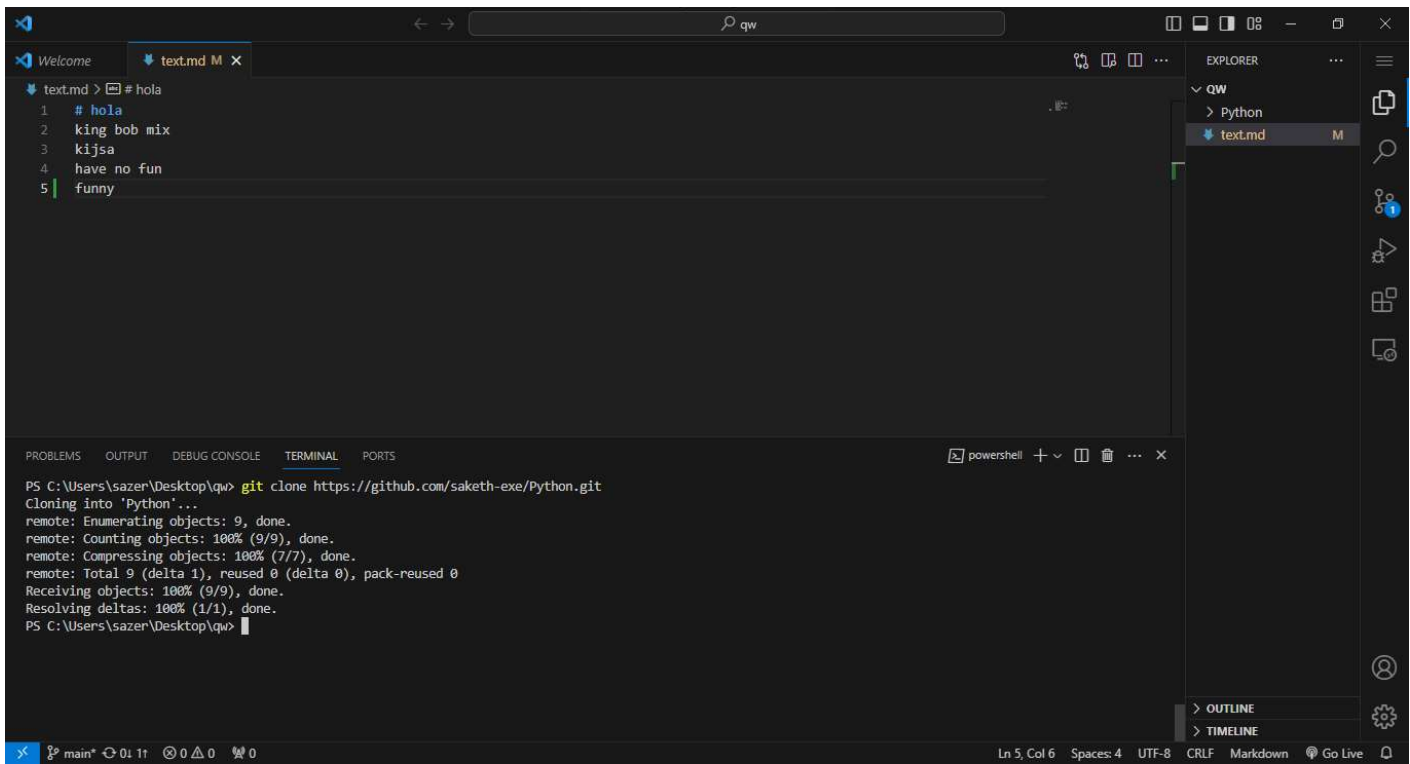
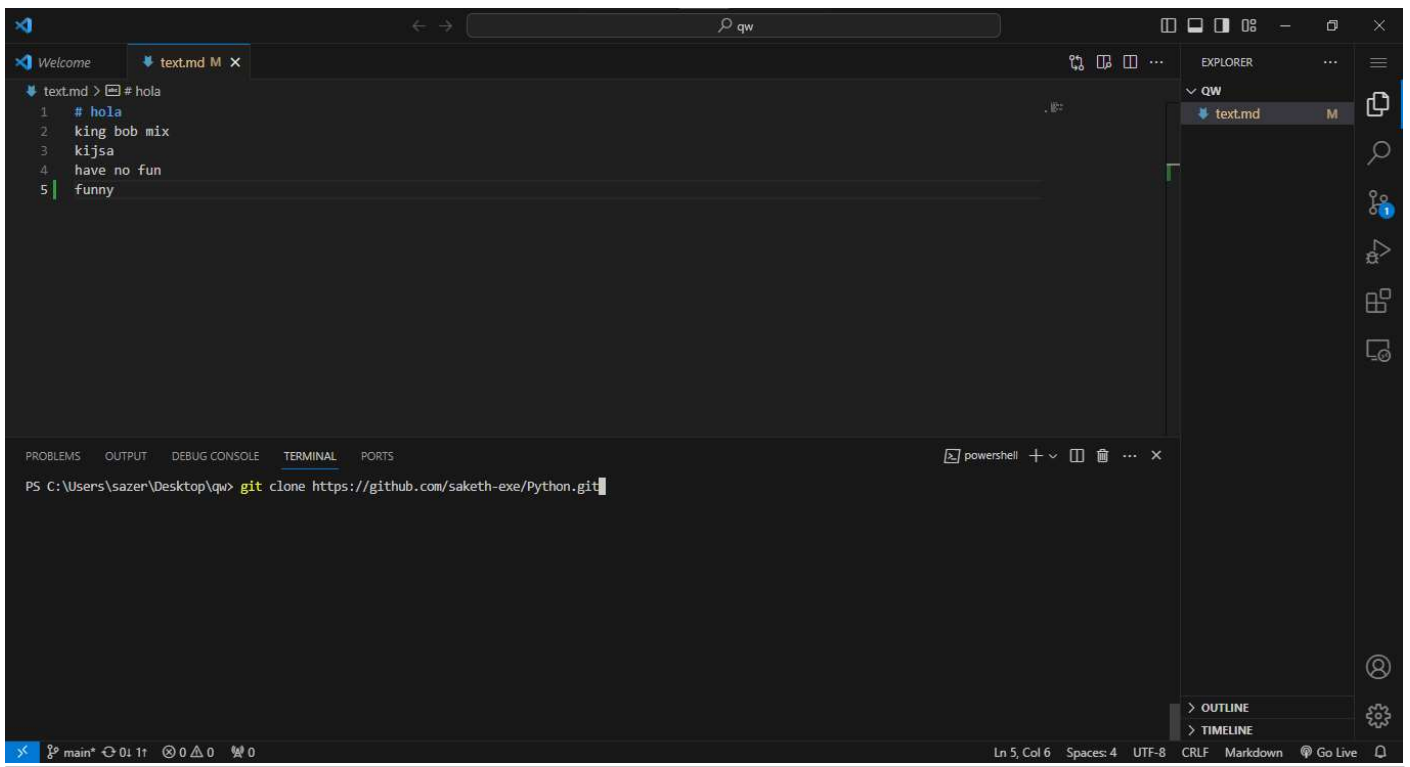
Git checkout:



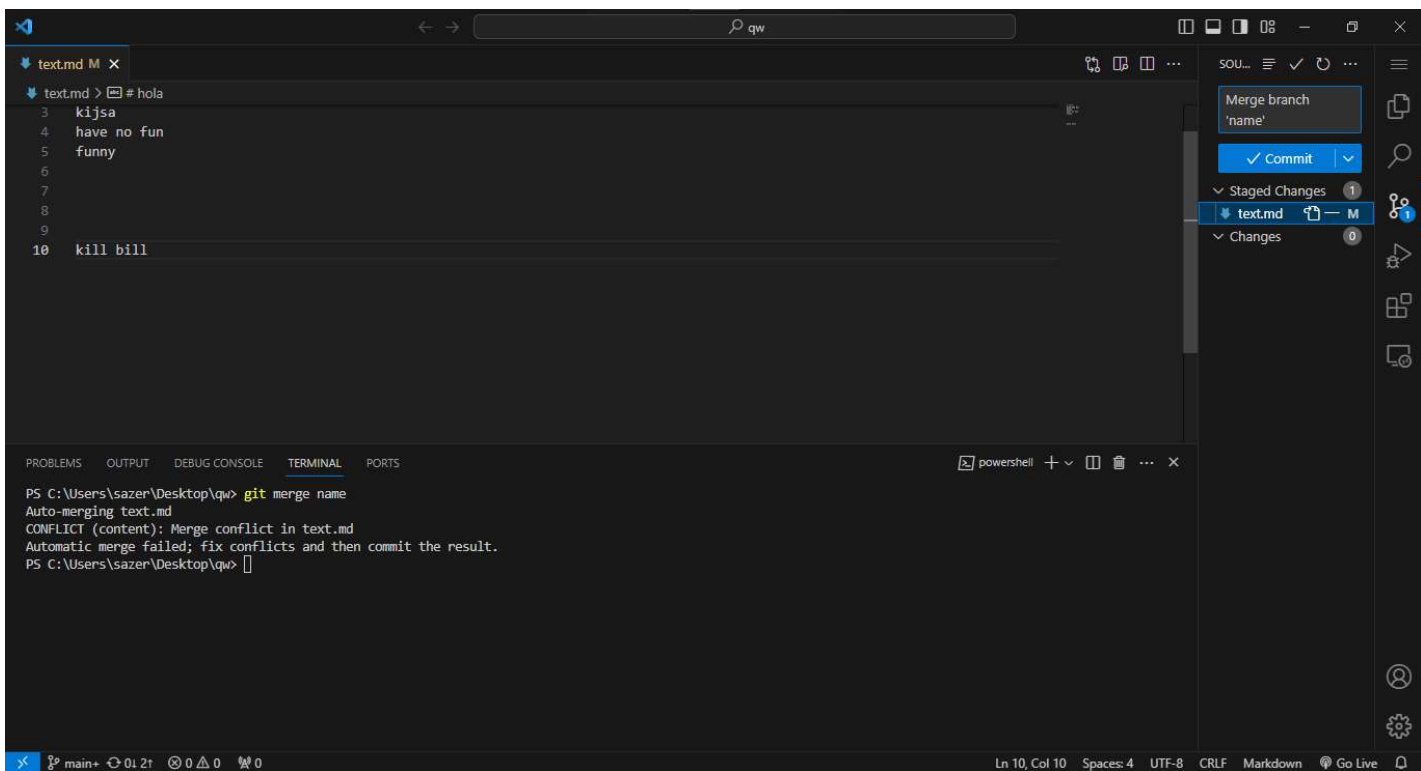
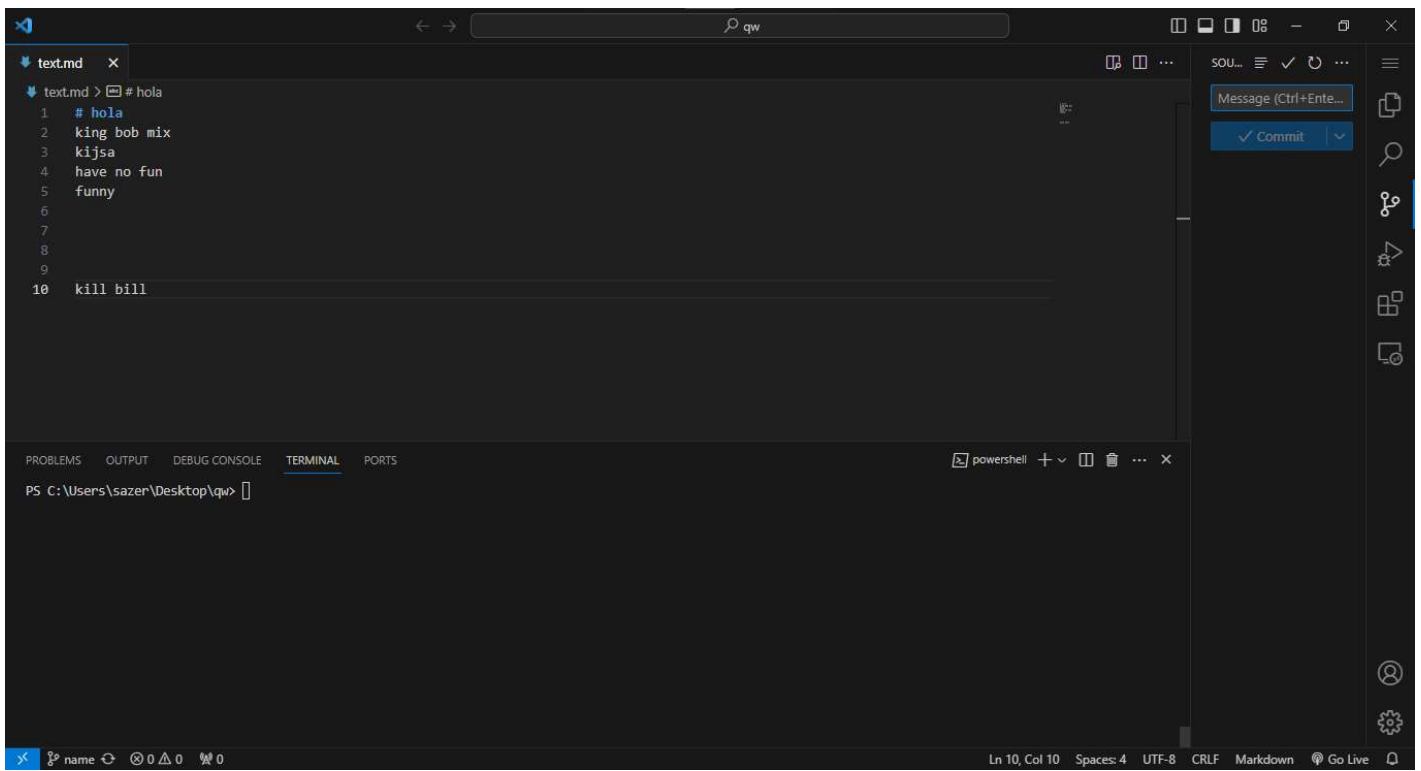
Git reset:



Git clone:

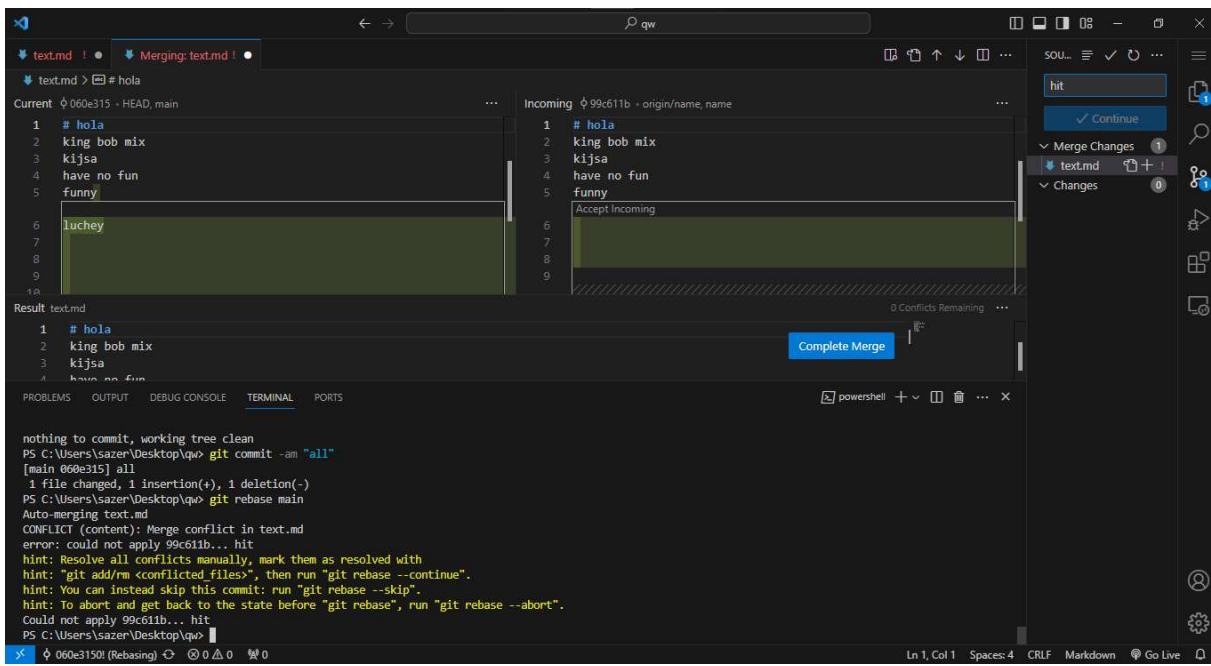


Git merge:

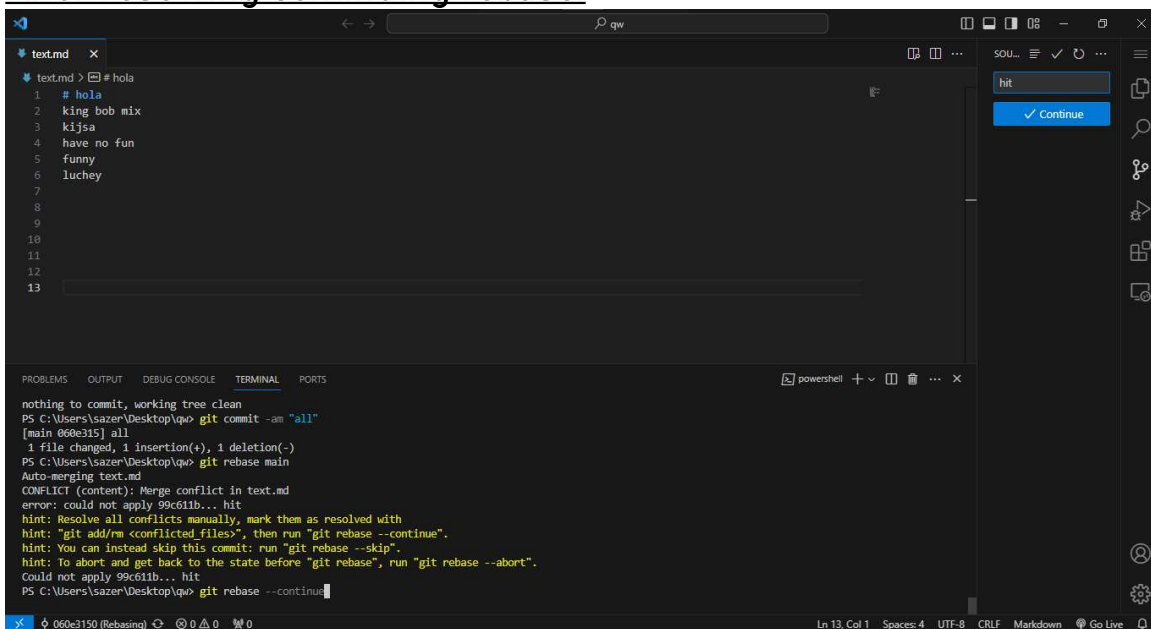


## Git rebase:

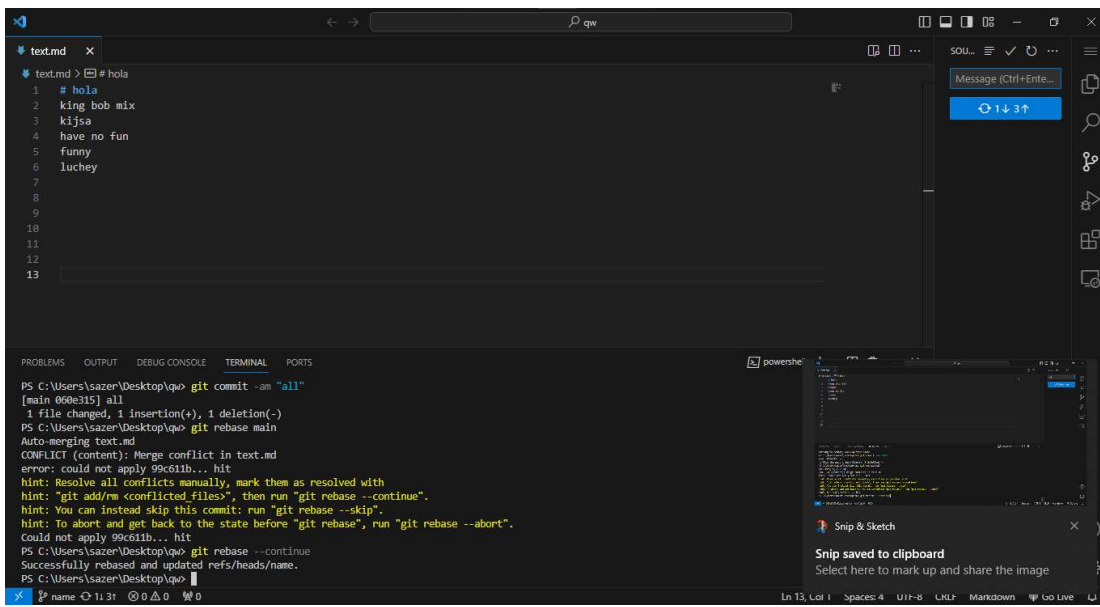
Started git rebase but conflicts arise



## After resolving continuing rebase:

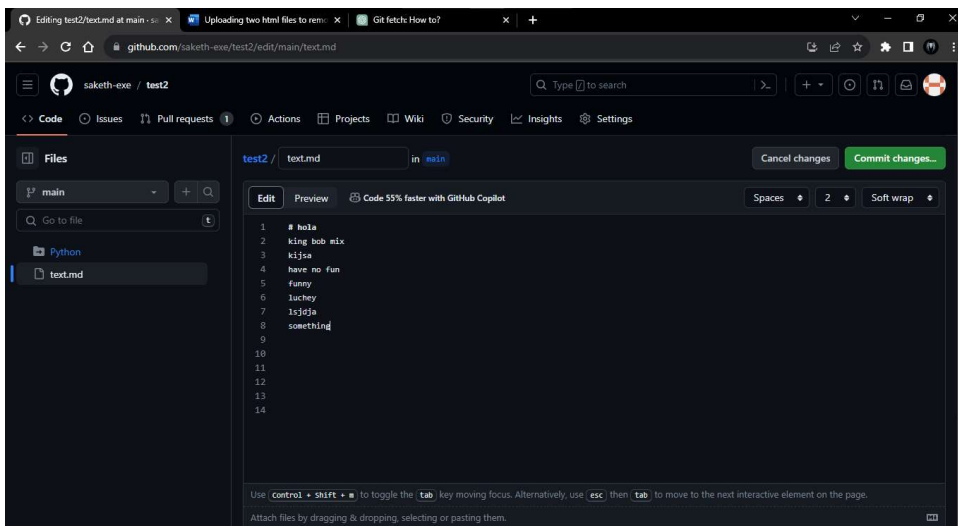


## Git rebase successful:

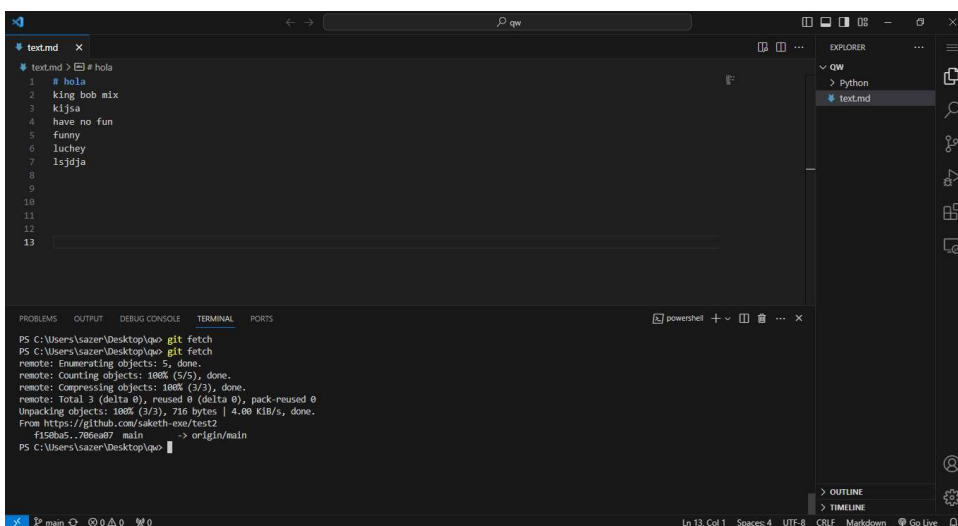


## Git fetch and merge:

### Creating a change in GitHub

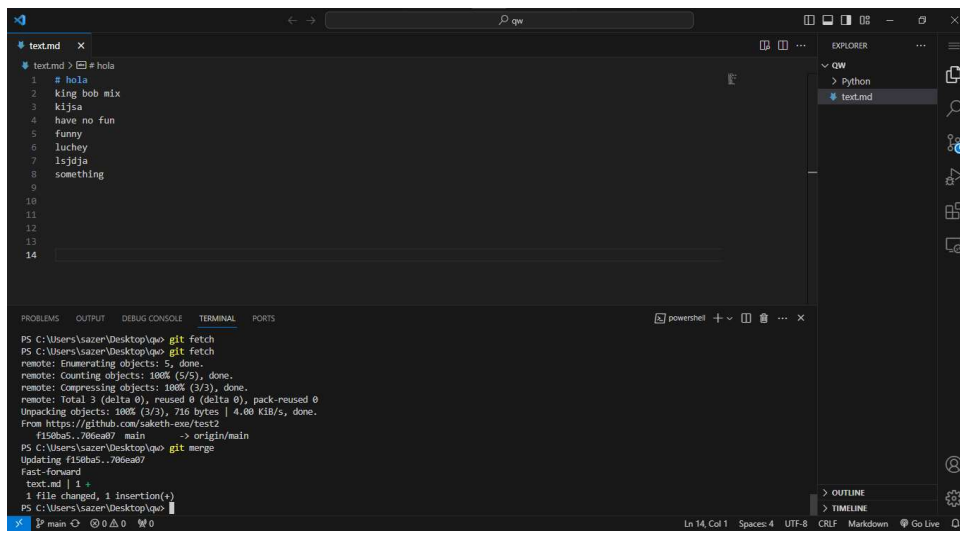


## Using fetch to check the changes:



## Git merge to make them visible in local reop:





# Git fork:

