

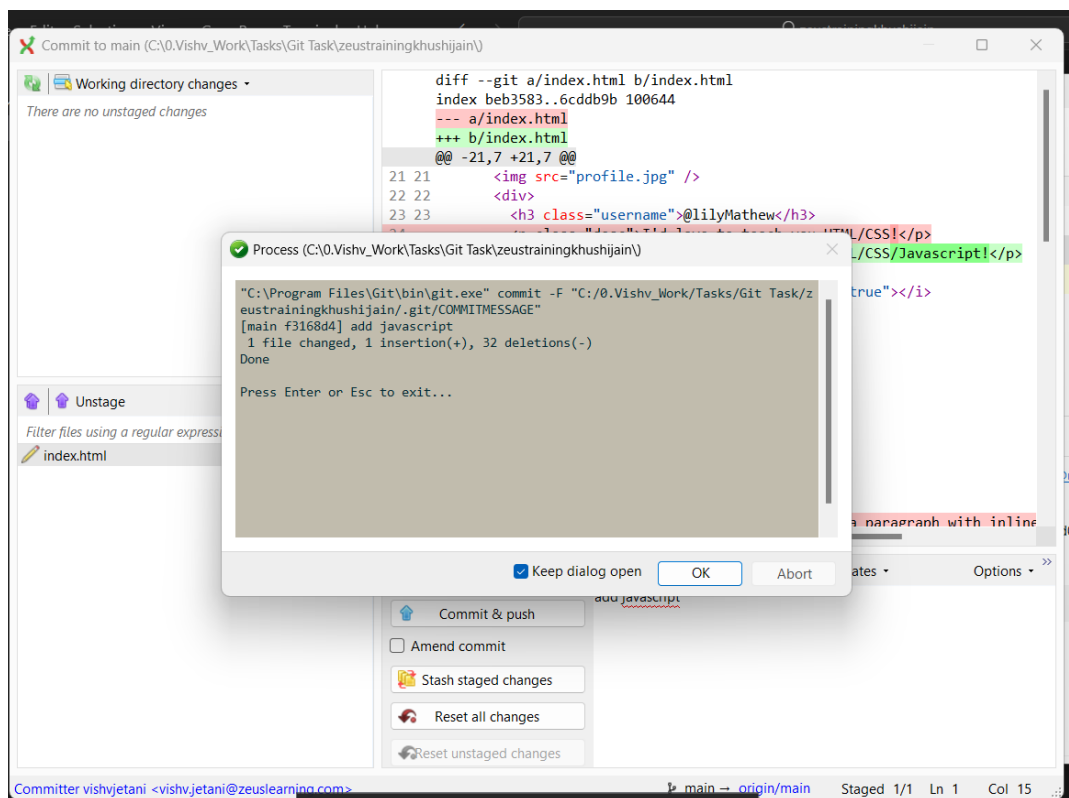
Task : Get familiar with Git Extension Tool

1. Add files to the repository
2. Make changes to it and commit and push
3. Form a pair and work on a common repository. Make changes to files and resolve conflicts.
4. Exploring the git commands related to Branch.

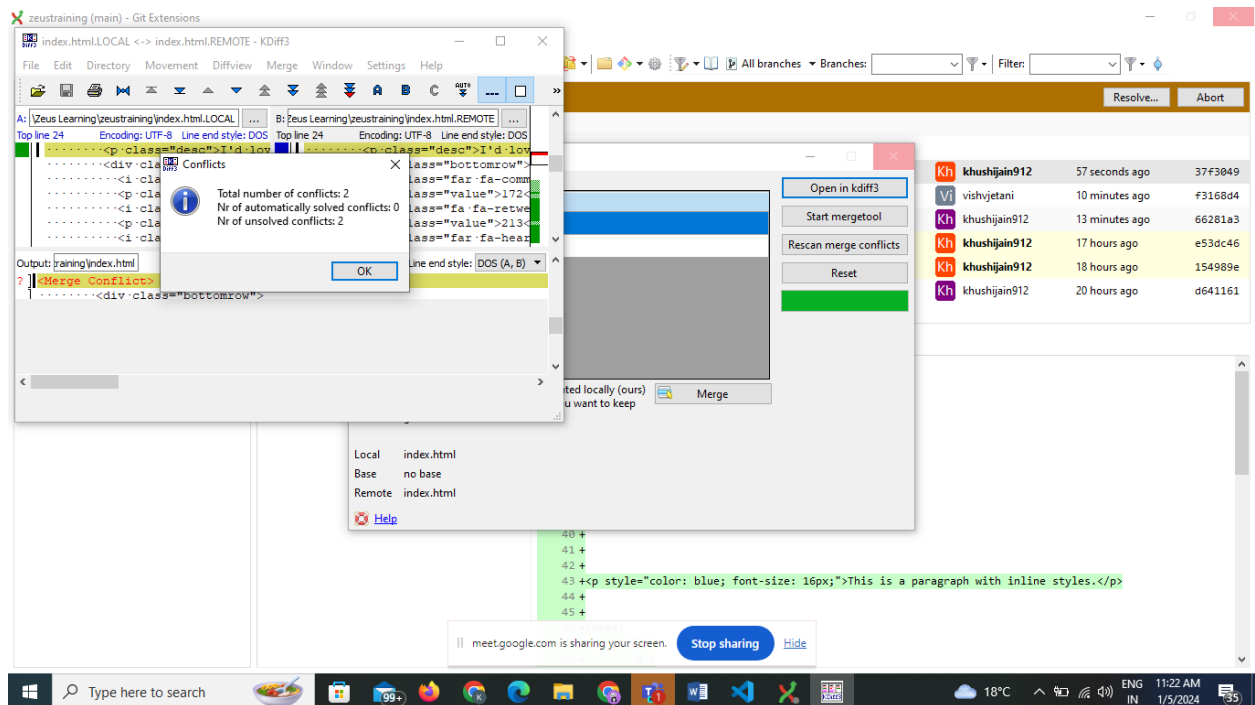
Team Member 1 (T1) : Vishv Jetani

Team Member 2 (T2) : Khushi Jain

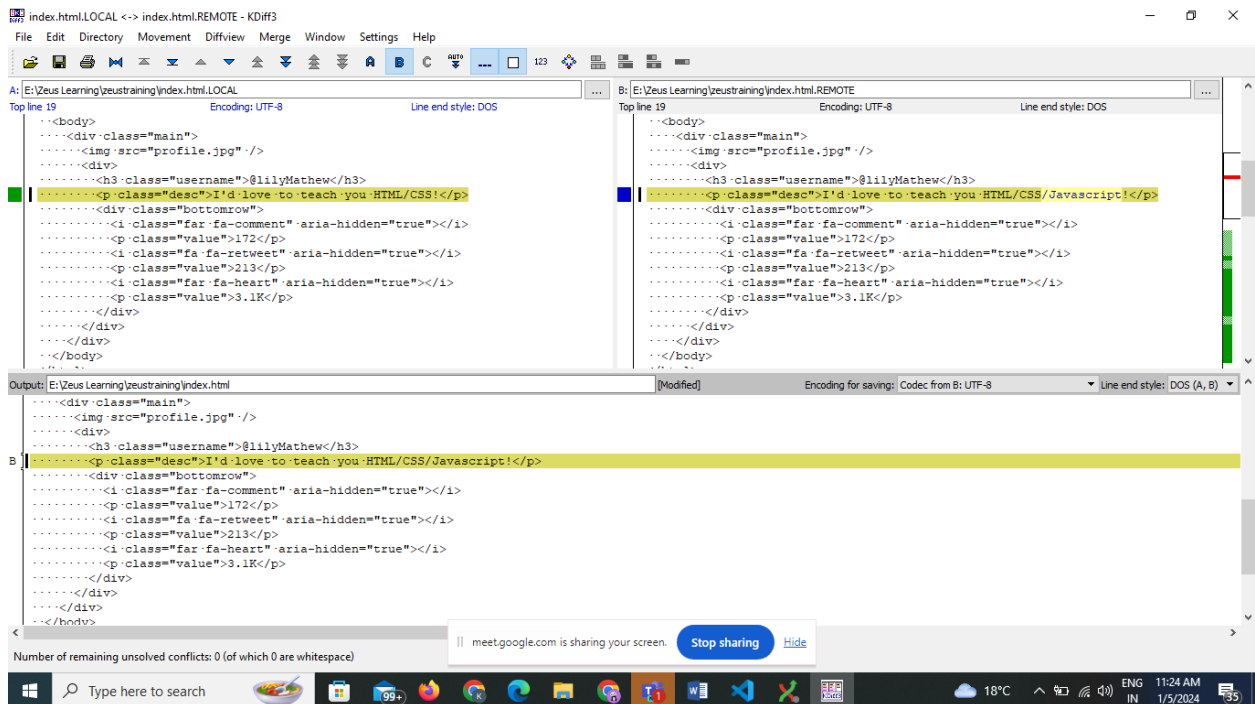
T1 clone the repository in his local device and did changes in one of the file of the repository shared by T2 and push on github.



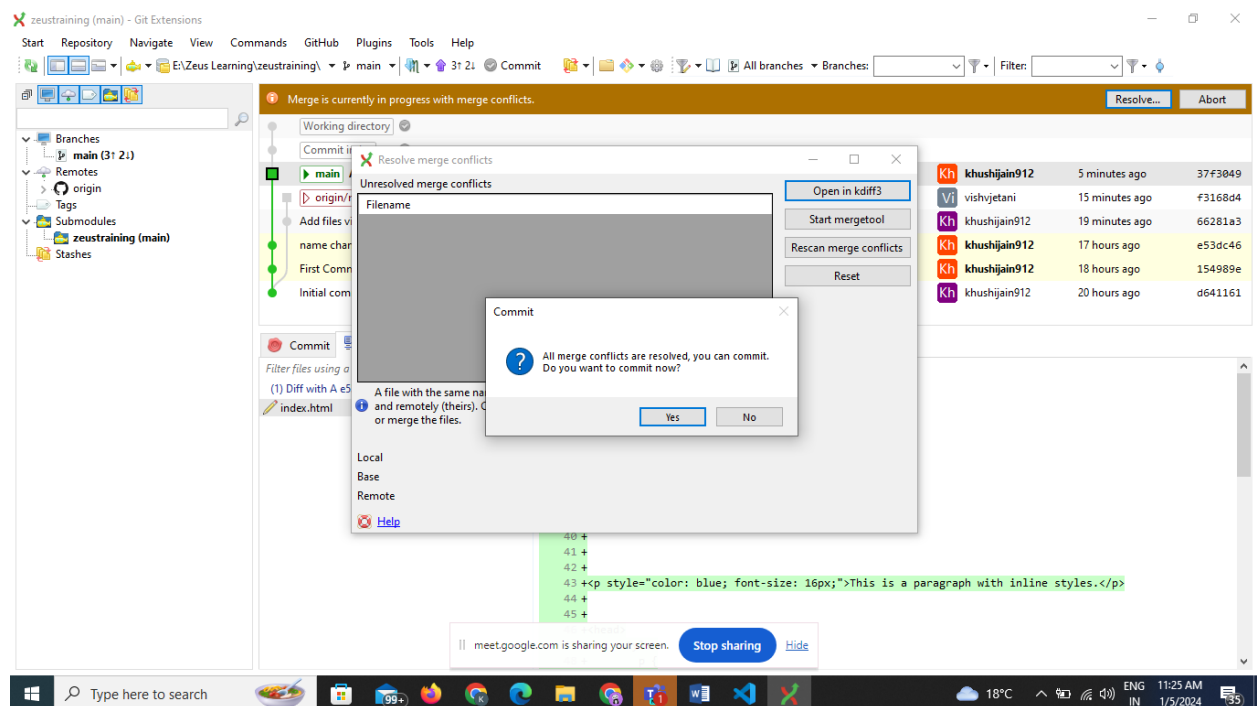
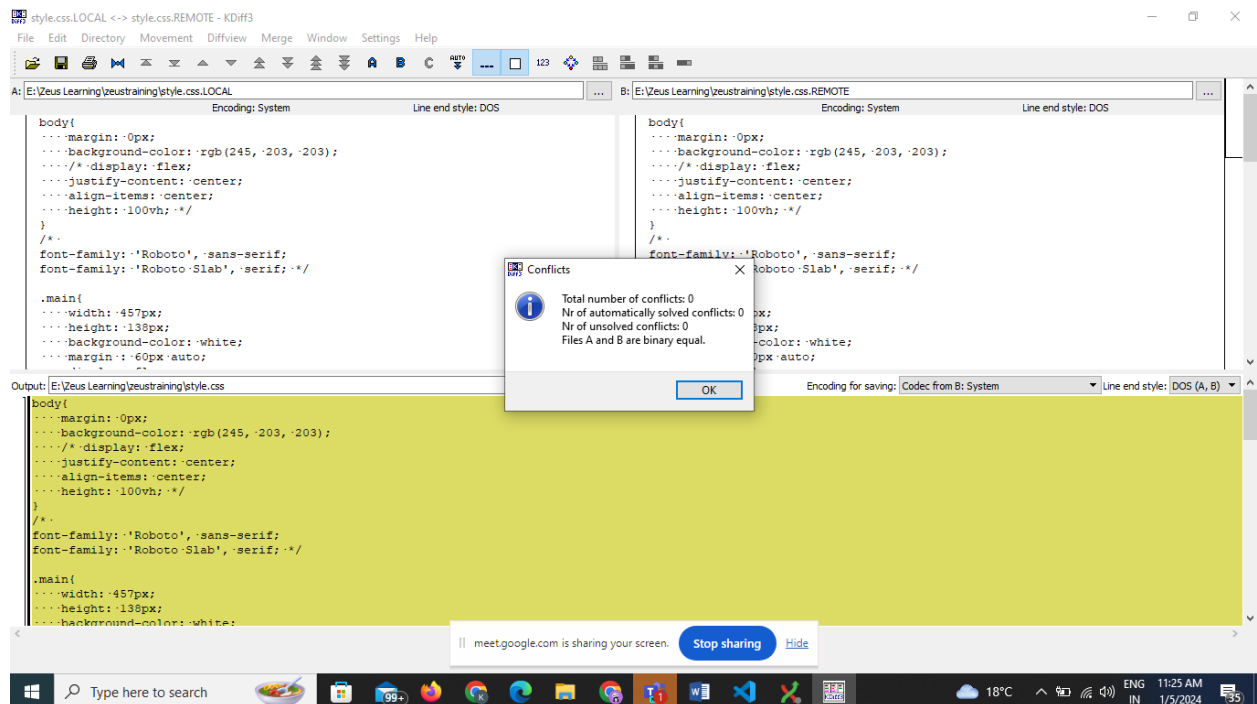
T2 pulls the code and she finds the merge conflicts.



Resolving merge conflicts using kdiff3

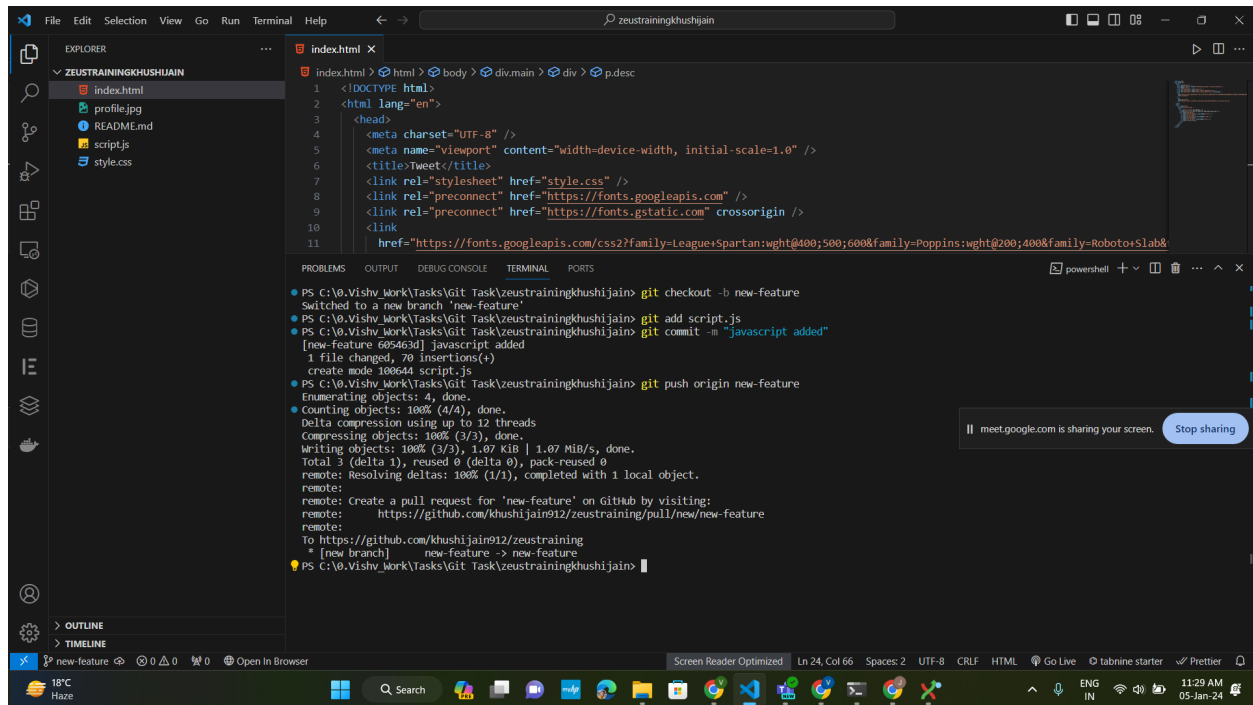


Now number of conflicts are 0.



Understanding Branch Concept using command line

One person make the new-feature branch and add file into it and another is merging that branch with main branch.

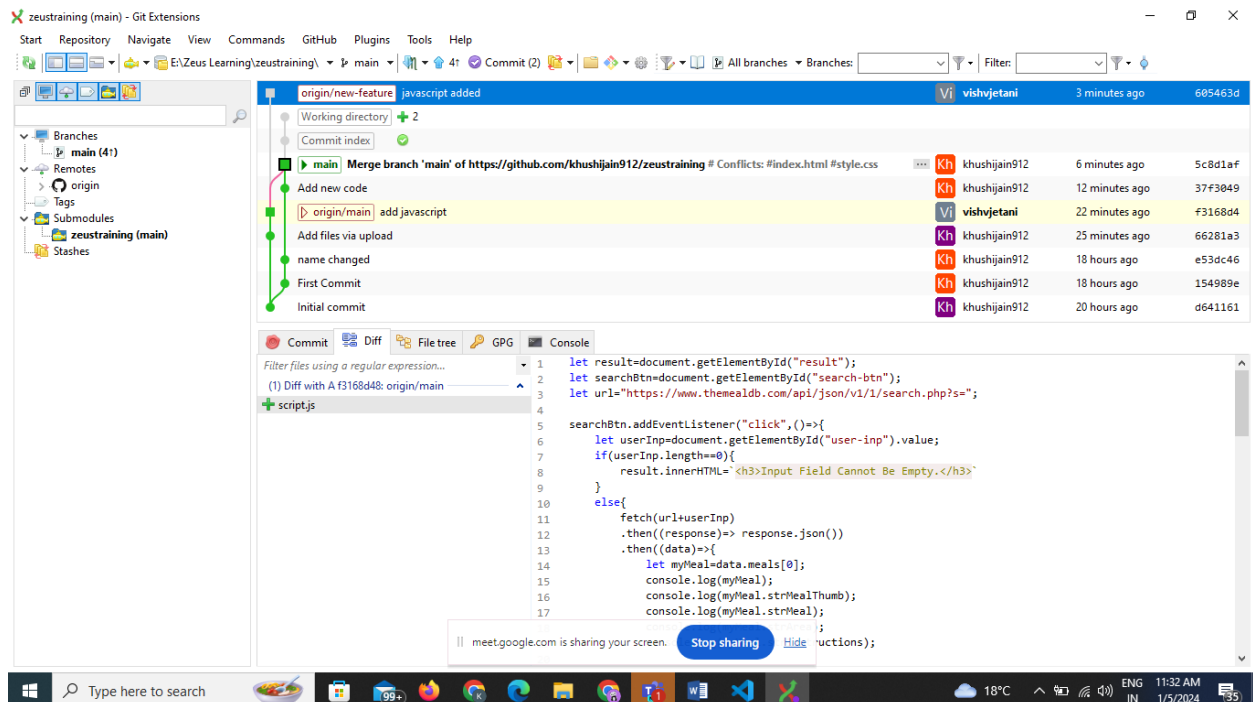


```
File Edit Selection View Go Run Terminal Help
zeustrainingkhushijain

EXPLORER
ZEUSTRAININGKHUSHIJAIN
  index.html
  profile.jpg
  README.md
  script.js
  style.css

index.html X
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8" />
6   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7   <title>Tweet</title>
8   <link rel="stylesheet" href="style.css" />
9   <link rel="preconnect" href="https://fonts.googleapis.com" />
10  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />
11  <link href="https://fonts.googleapis.com/css2?family=League+Spartan:wght@400;500;600&family=Poppins:wght@200;400&family=Roboto+Slab&
```

```
PS C:\Vishv_Work\Tasks\Git Task\zeustrainingkhushijain> git checkout -b new-feature
Switched to a new branch 'new-feature'
PS C:\Vishv_Work\Tasks\Git Task\zeustrainingkhushijain> git add script.js
[new-feature 605463d] javascript added
1 file changed, 70 insertions(+)
create mode 100644 script.js
PS C:\Vishv_Work\Tasks\Git Task\zeustrainingkhushijain> git push origin new-feature
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 1.07 KiB | 1.07 MiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote: Create a pull request for 'new-feature' on GitHub by visiting:
remote:   https://github.com/khushijain912/zeustraining/pull/new/new-feature
remote:
To https://github.com/khushijain912/zeustraining
 * [new branch] new-feature -> new-feature
PS C:\Vishv_Work\Tasks\Git Task\zeustrainingkhushijain>
```



```
zeustraining (main) - Git Extensions
Start Repository Navigate View Commands GitHub Plugins Tools Help
E:\Zeus Learning\zeustraining\ main 4t Commit (2) All branches Branches: Filter:
Working directory +2
Commit index
main Merge branch 'main' of https://github.com/khushijain912/zeustraining # Conflicts: #index.html #style.css
Add new code
origin/main add javascript
Add files via upload
name changed
First Commit
Initial commit
```

Commit	Author	Time	Hash
605463d	vishvjetani	3 minutes ago	605463d
5c8d1af	khushijain912	6 minutes ago	5c8d1af
37f3049	khushijain912	12 minutes ago	37f3049
f3168d4	vishvjetani	22 minutes ago	f3168d4
66281a3	khushijain912	25 minutes ago	66281a3
e53dc46	khushijain912	18 hours ago	e53dc46
154989e	khushijain912	18 hours ago	154989e
d641161	khushijain912	20 hours ago	d641161

```
Filter files using a regular expression...
(1) Diff with A f3168d48: origin/main
+script.js
1 let result=document.getElementById("result");
2 let searchBtn=document.getElementById("search-btn");
3 let url="https://www.themeadb.com/api/json/v1/1/search.php?s=";
4
5 searchBtn.addEventListener("click",()=>{
6   let userInp=document.getElementById("user-inp").value;
7   if(userInp.length==0){
8     result.innerHTML="<h3>Input Field Cannot Be Empty.</h3>";
9   }
10  else{
11    fetch(url+userInp)
12      .then((response)=> response.json())
13      .then((data)=>{
14        let myMeal=data.meals[0];
15        console.log(myMeal);
16        console.log(myMeal.strMealThumb);
17        console.log(myMeal.strMeal);
18      });
19  }
20  });
```

The screenshot shows a Visual Studio Code editor with a terminal window open. The terminal is running a Windows command prompt (cmd.exe) and displaying the output of several Git commands. The commands and their outputs are as follows:

```
E:\Zeus Learning\zeustraining>git status
Microsoft Windows [Version 10.0.19045.3803]
(c) Microsoft Corporation. All rights reserved.

1 E:\Zeus Learning\zeustraining>git status
1 On branch main
1 Your branch is ahead of 'origin/main' by 4 commits.
1 (use "git push" to publish your local commits)
1
1 Untracked files:
1 (use "git add <file>..." to include in what will be committed)
2 index.html.orig
2 style.css.orig
2
2 nothing added to commit but untracked files present (use "git add" to track)
2
2 E:\Zeus Learning\zeustraining>git branch -r
2 origin/HEAD -> origin/main
2 origin/main
2 origin/new-feature
2
2 E:\Zeus Learning\zeustraining>git checkout new-feature
2 Switched to a new branch 'new-feature'
2 branch 'new-feature' set up to track 'origin/new-feature'.
2
2 E:\Zeus Learning\zeustraining>
```

The terminal window is titled "C:\Windows\System32\cmd.exe". The background shows the VS Code interface with a file explorer on the left and a search bar at the top. The status bar at the bottom indicates the current file is "index.html" and the editor is using the "UTF-8" encoding.

The screenshot shows a Visual Studio Code editor with a terminal window open. The terminal is running a Windows command prompt (cmd.exe) and displaying the output of several Git commands. The commands and their outputs are as follows:

```
E:\Zeus Learning\zeustraining>git branch -r
origin/HEAD -> origin/main
origin/main
origin/new-feature

E:\Zeus Learning\zeustraining>git checkout new-feature
Switched to a new branch 'new-feature'
branch 'new-feature' set up to track 'origin/new-feature'.

E:\Zeus Learning\zeustraining>git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 4 commits.
(use "git push" to publish your local commits)

E:\Zeus Learning\zeustraining>git merge new-feature
Merge made by the 'ort' strategy.
 script.js | 70 +++++
 1 file changed, 70 insertions(+)
 create mode 100644 script.js

E:\Zeus Learning\zeustraining>
```

The terminal window is titled "C:\Windows\System32\cmd.exe". The background shows the VS Code interface with a file explorer on the left and a search bar at the top. The status bar at the bottom indicates the current file is "new-feature" and the editor is using the "UTF-8" encoding.

zeustraining (main) - Git Extensions

Start Repository Navigate View Commands GitHub Plugins Tools Help

E:\Zeus Learning\zeustraining\ main 0t: Commit (1) All branches Branches: Filter:

Working directory +1

Commit index

Branches

- main (0t:1)
- new-feature (0t:1)

Remotes

Tags

Submodules

zeustraining (main)

Stashes

main origin/main Merge branch 'new-feature'

new-feature origin/new-feature javascript added

Merge branch 'main' of https://github.com/khushijain912/zeustraining # Conflicts: #index.html #style.css

Add new code

add javascript

Add files via upload

name changed

First Commit

Commit Diff File tree GPG Console

Filter files using a regular expression...

(1) Diff with A 5c8d1af7: Merge branch 'main' o...

script.js

(2) Diff with A 605463d2: new-feature

index.html

style.css

```
1 let result=document.getElementById("result");
2 let searchBtn=document.getElementById("search-btn");
3 let url="https://www.themeadb.com/api/json/v1/1/search.php?s=";
4
5 searchBtn.addEventListener("click",()=>{
6     let userInp=document.getElementById("user-inp").value;
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10    else{
11        fetch(url+userInp)
12        .then((response)=> response.json())
13        .then((data)=>{
14            let myMeal=data.meals[0];
15            console.log(myMeal);
16            console.log(myMeal.strMealThumb);
17            console.log(myMeal.strMeal);
18        });
19    }
20 }
```

meet.google.com is sharing your screen. Stop sharing Hide uctions);

18°C ENG IN 11:54 AM 1/5/2024