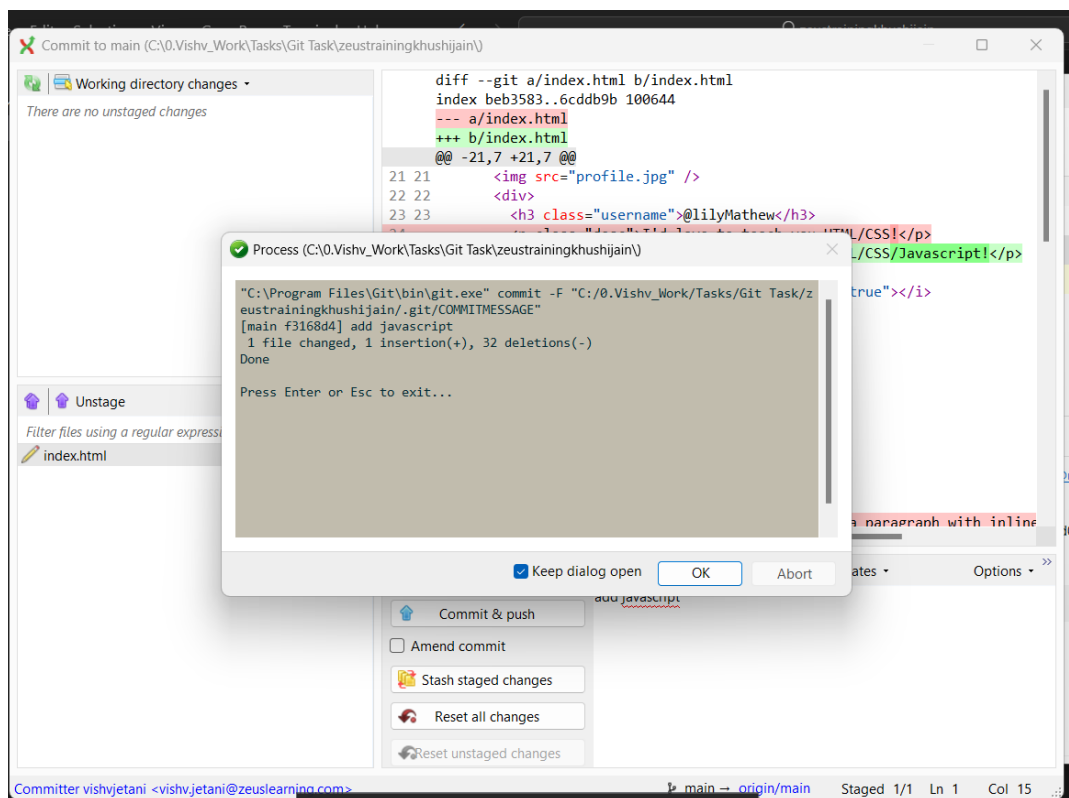## Task : Get familiar with Git Extension Tool

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.
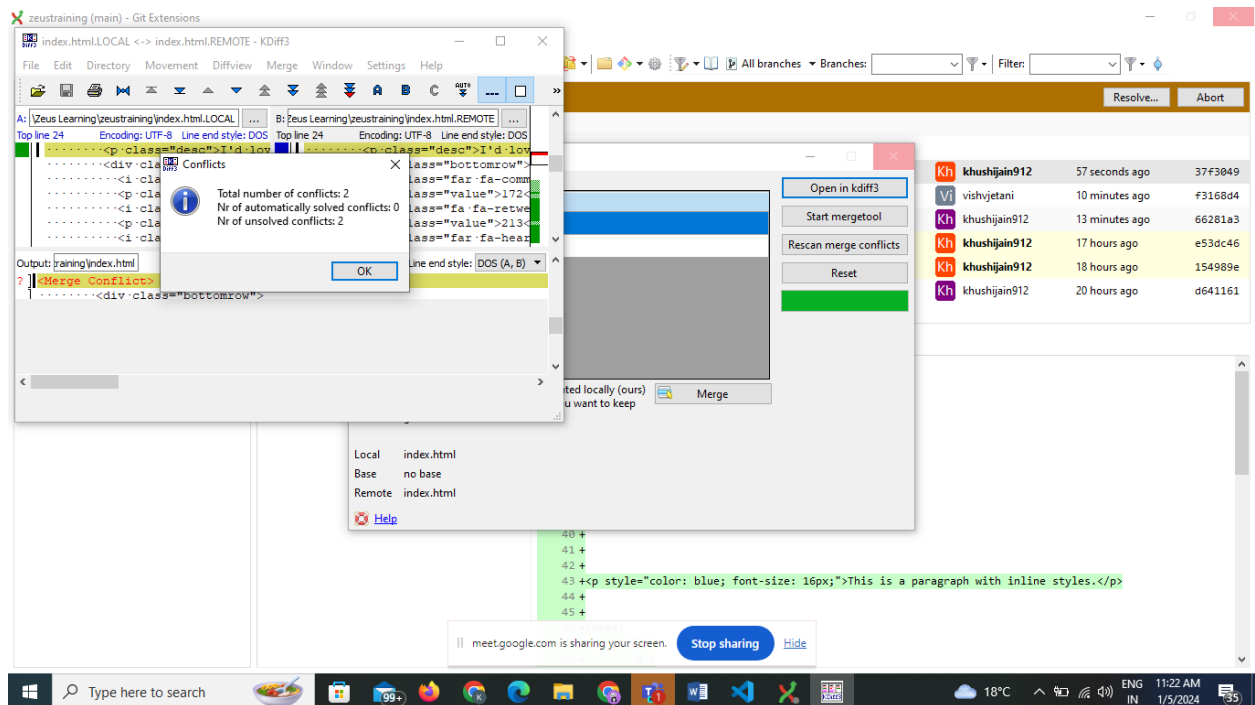4. Exploring the git commands related to Branch.

Team Member 1 (T1) : Vishv Jetani
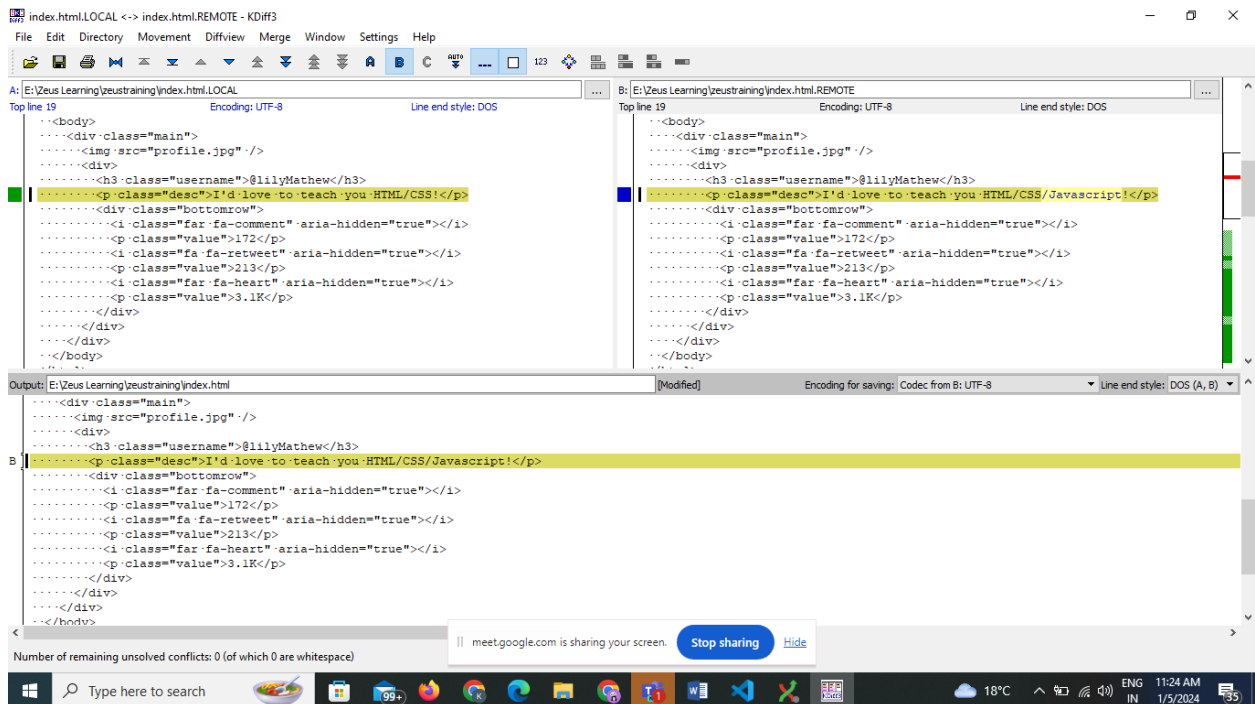Team Member 2 (T2) : Khushi Jain

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.
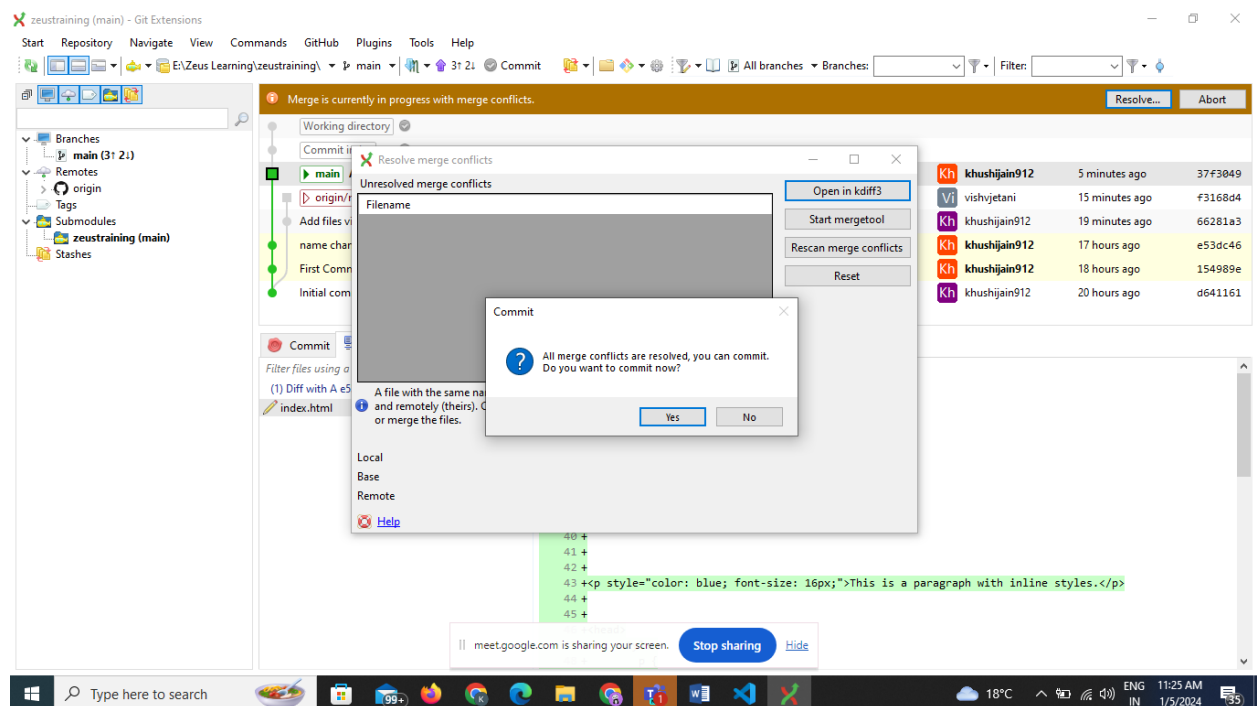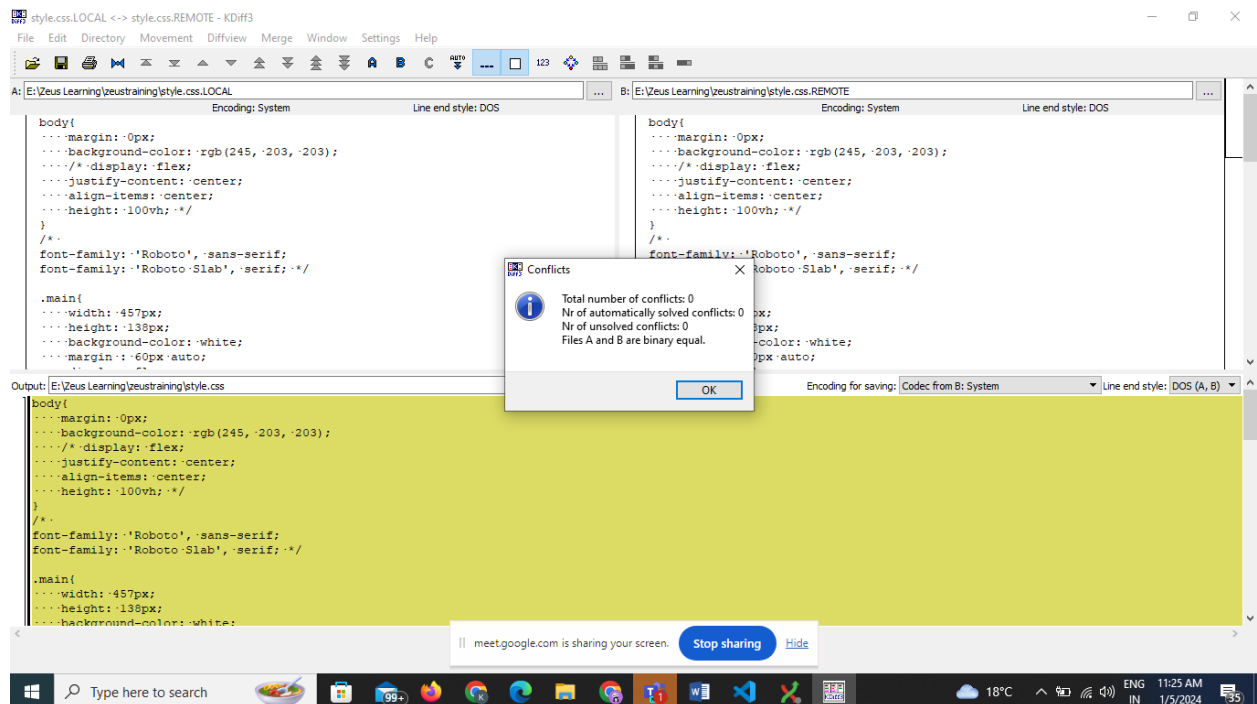
T2 pulls the code and she finds the merge conflicts.

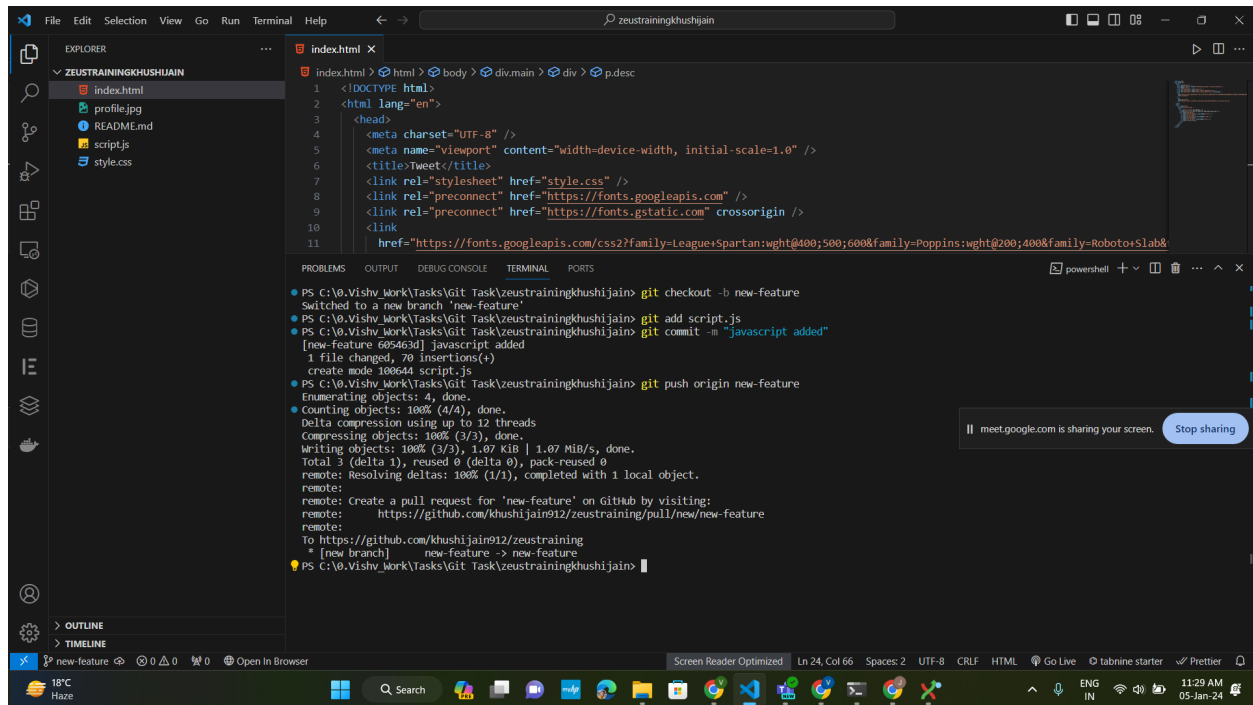Resolving merge conflicts using kdiff3

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.
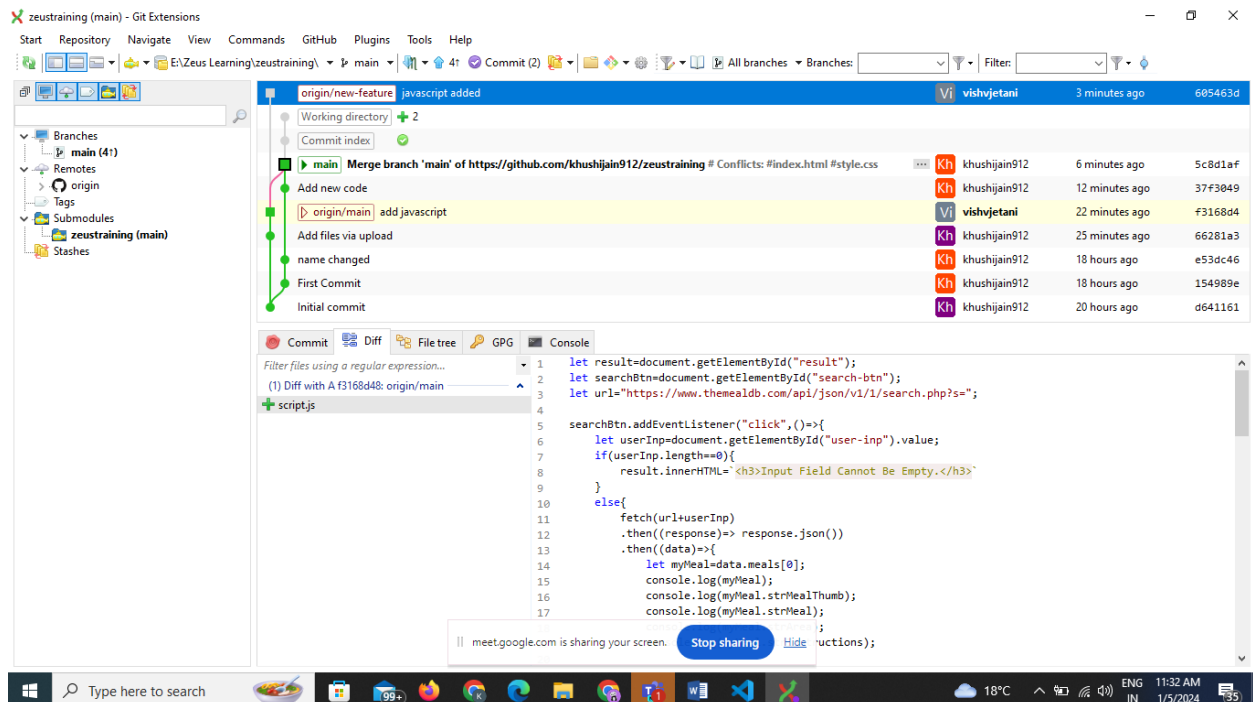
```
Microsoft Windows [Version 10.0.19045.3803]
(c) Microsoft Corporation. All rights reserved.

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

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index.html.orig
        style.css.orig

nothing added to commit but untracked files present (use "git add" to track)

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>
```



```
  (use "git push" to publish your local commits)

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index.html.orig
        style.css.orig

nothing added to commit but untracked files present (use "git add" to track)

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>
```

Start Repository Navigate View Commands GitHub Plugins Tools Help

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

Branches
  main (0↑↓)
  new-feature (0↑↓)
Remotes
Tags
Submodules
  zeustraining (main)
Stashes

main	origin/main	**Merge branch 'new-feature'**	Kh	khushijain912	9 minutes ago	a3762b0
new-feature	origin/new-feature	javascript added	Vi	vishvjetani	25 minutes ago	605463d
		Merge branch 'main' of https://github.com/khushijain912/zeustraining # Conflicts: #index.html #style.css	Kh	khushijain912	28 minutes ago	5c8d1af
		Add new code	Kh	khushijain912	34 minutes ago	37f3049
		add javascript	Vi	vishvjetani	44 minutes ago	f3168d4
		Add files via upload	Kh	khushijain912	1 hour ago	66281a3
		name changed	Kh	khushijain912	18 hours ago	e53dc46
		First Commit	Kh	khushijain912	19 hours ago	154989e

Commit   Diff   File tree   GPG   Console

Working directory
Commit index

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.themealdb.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);
```

meet.google.com is sharing your screen.   Stop sharing   Hide