

Version Control with Git

1. A GitHub repository with commit history and branches

https://github.com/MahmoudMostafa11199/task3-semple_web_project.git

2. A screenshot showing the resolution of a merge conflict.

```
index.html | 2 +-
1  <!DOCTYPE html>
2  <html lang="en">
3      <head>
4          <meta charset="UTF-8" />
5          <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6          <title>Mahmoud's Portfolio</title>
7      </head>
8      <body>
9          <header>...
10         <h1>Hello Portfolio</h1>
11     </body>
12 </html>
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS

```
bash
Z (feature/edit-title-2) task $ git status
On branch feature/edit-title-2
nothing to commit, working tree clean
Z (feature/edit-title-2) task $ git checkout main
Switched to branch 'main'
Z (main) task $ git merge feature/edit-title-1
Updating f6d9195..39345fb
Fast-forward
 index.html | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)
Z (main) task $ git merge feature/edit-title-2
Auto-merging index.html
CONFLICT (content): Merge conflict in index.html
Automatic merge failed; fix conflicts and then commit the result.
Z (main) task $
```

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index.html | 2 +-
1  <!DOCTYPE html>
2  <html lang="en">
3      <head>
4          <meta charset="UTF-8" />
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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS

```
bash
Z (feature/edit-title-2) task $ git checkout main
Switched to branch 'main'
Z (main) task $ git merge feature/edit-title-1
Updating f6d9195..39345fb
Fast-forward
 index.html | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)
Z (main) task $ git merge feature/edit-title-2
Auto-merging index.html
CONFLICT (content): Merge conflict in index.html
Automatic merge failed; fix conflicts and then commit the result.
Z (main) task $ git add .
Z (main) task $ git commit -m 'merge branch feature/edit-title-2 on main branch, resolved conflicts in index.html'
[main 2c12a54] merge branch feature/edit-title-2 on main branch, resolved conflicts in index.html
Z (main) task $
```