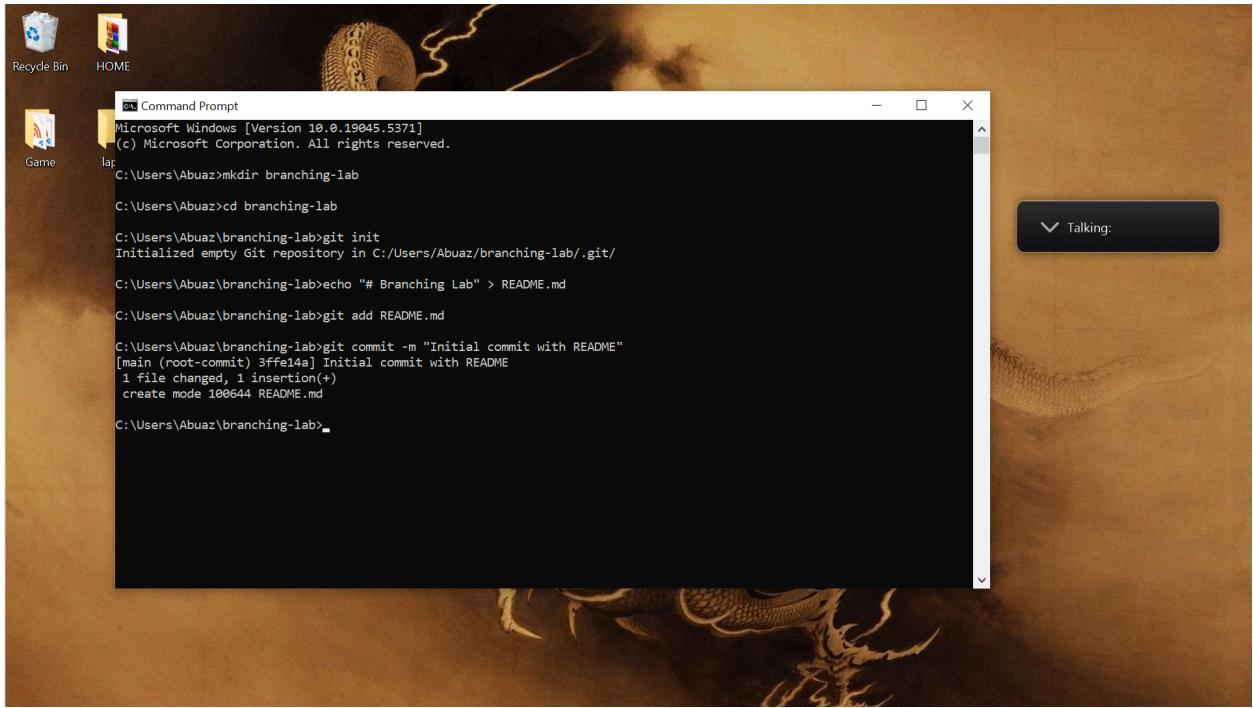


Lab03

Step1



```
Recycle Bin HOME
Game lap1 Command Prompt
Microsoft Windows [Version 10.0.19045.5371]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Abuaz>mkdir branching-lab
C:\Users\Abuaz>cd branching-lab

C:\Users\Abuaz\branching-lab>git init
Initialized empty Git repository in C:/Users/Abuaz/branching-lab/.git/

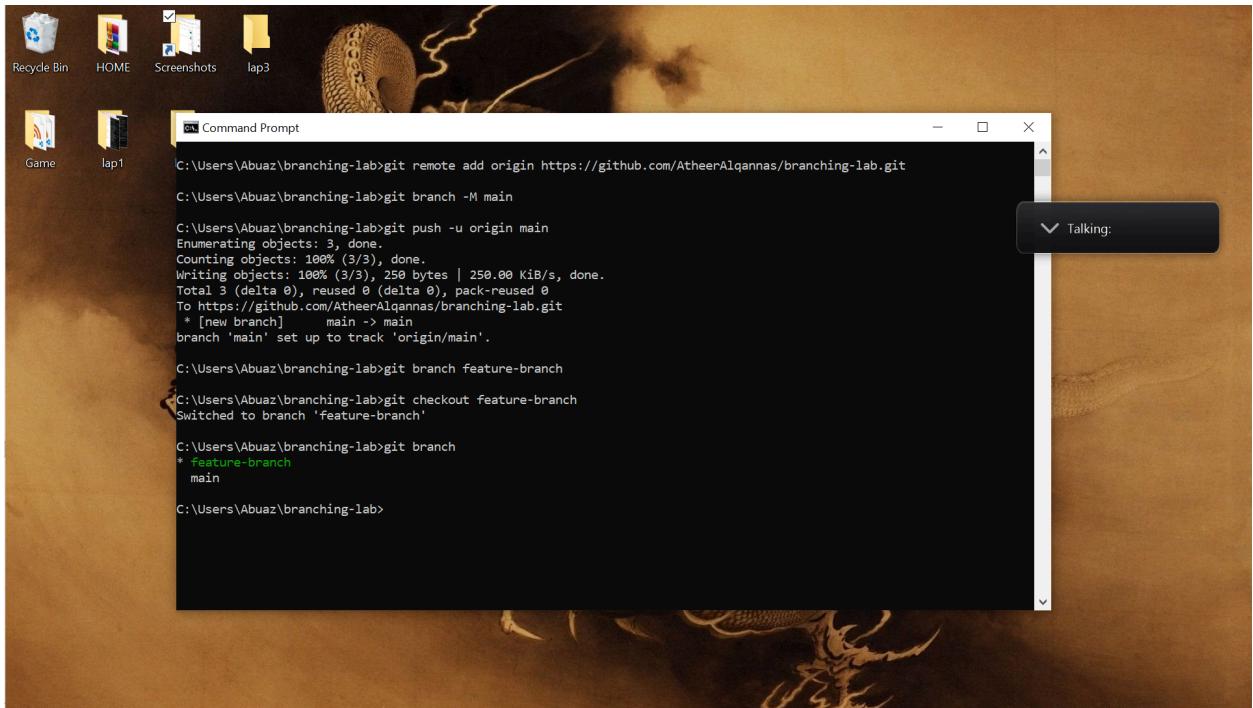
C:\Users\Abuaz\branching-lab>echo "# Branching Lab" > README.md

C:\Users\Abuaz\branching-lab>git add README.md

C:\Users\Abuaz\branching-lab>git commit -m "Initial commit with README"
[main (root-commit) 3ffe14a] Initial commit with README
 1 file changed, 1 insertion(+)
 create mode 100644 README.md

C:\Users\Abuaz\branching-lab>
```

Step2,3



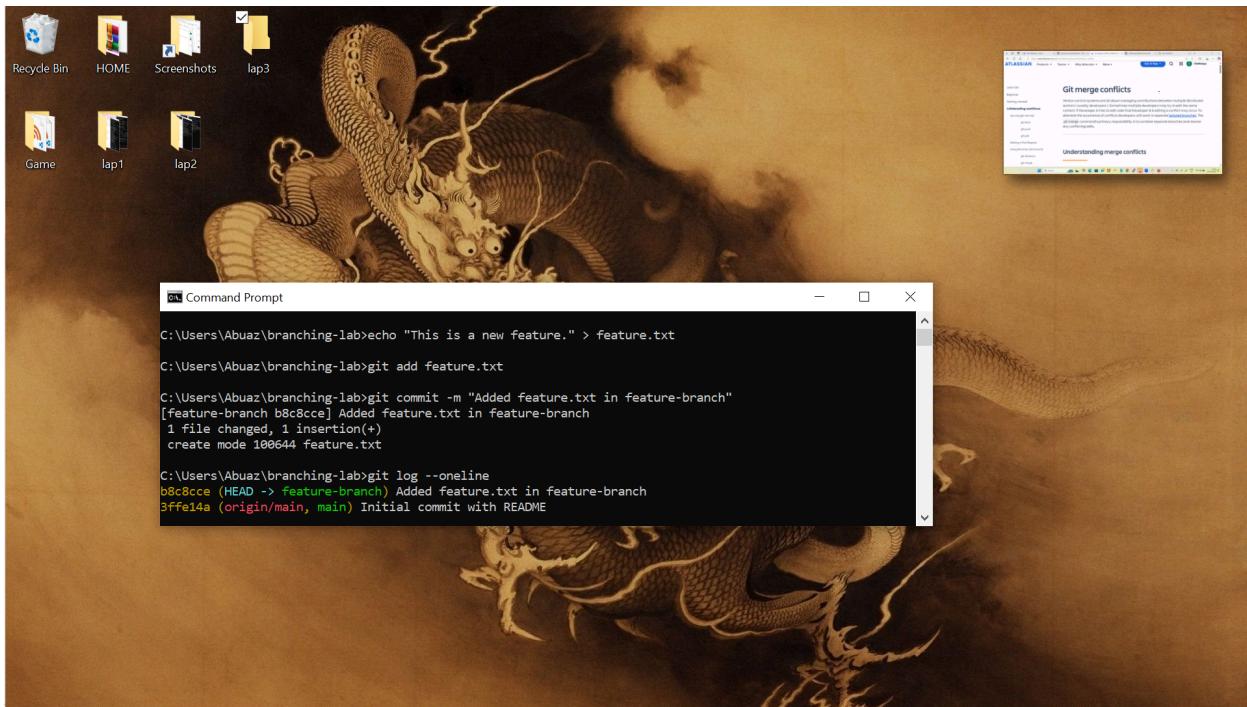
```
Recycle Bin HOME Screenshots lap3
Game lap1 Command Prompt
C:\Users\Abuaz\branching-lab>git remote add origin https://github.com/AtheerAlqannas/branching-lab.git
C:\Users\Abuaz\branching-lab>git branch -M main
C:\Users\Abuaz\branching-lab>git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 250 bytes | 250.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/AtheerAlqannas/branching-lab.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

C:\Users\Abuaz\branching-lab>git branch feature-branch
C:\Users\Abuaz\branching-lab>git checkout feature-branch
Switched to branch 'feature-branch'

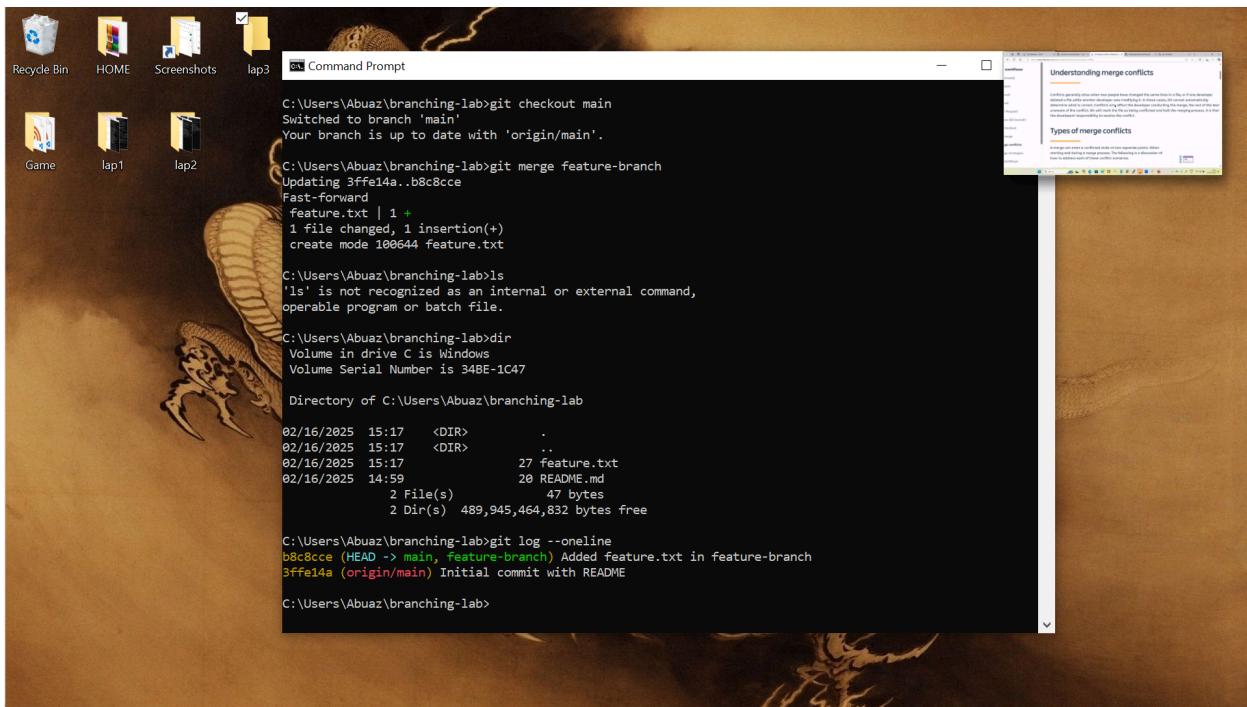
C:\Users\Abuaz\branching-lab>git branch
* feature-branch
  main

C:\Users\Abuaz\branching-lab>
```

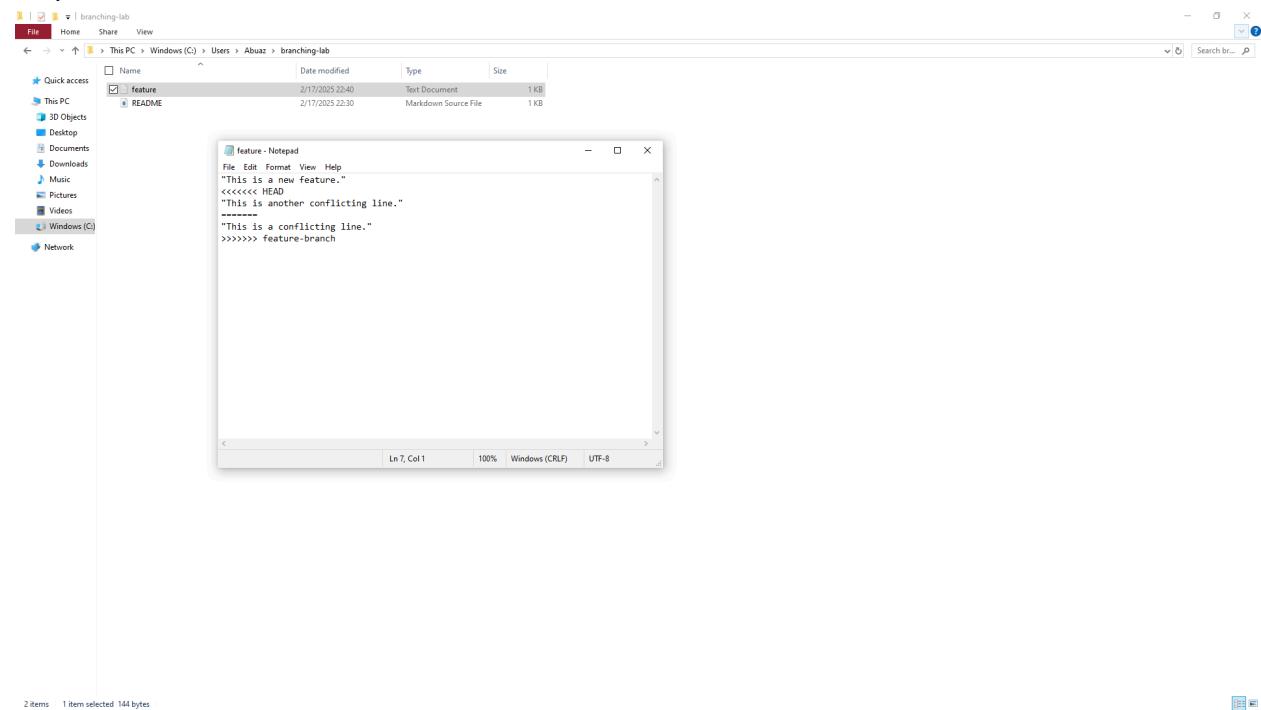
Step4



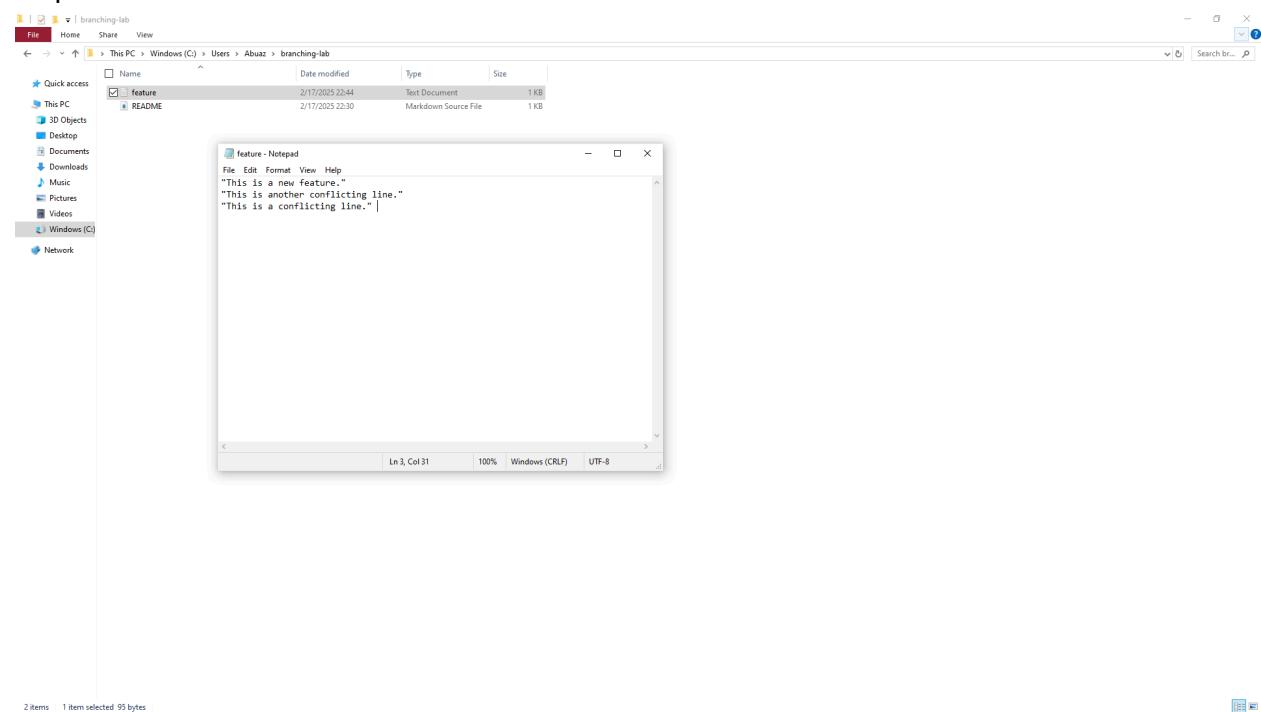
Step5



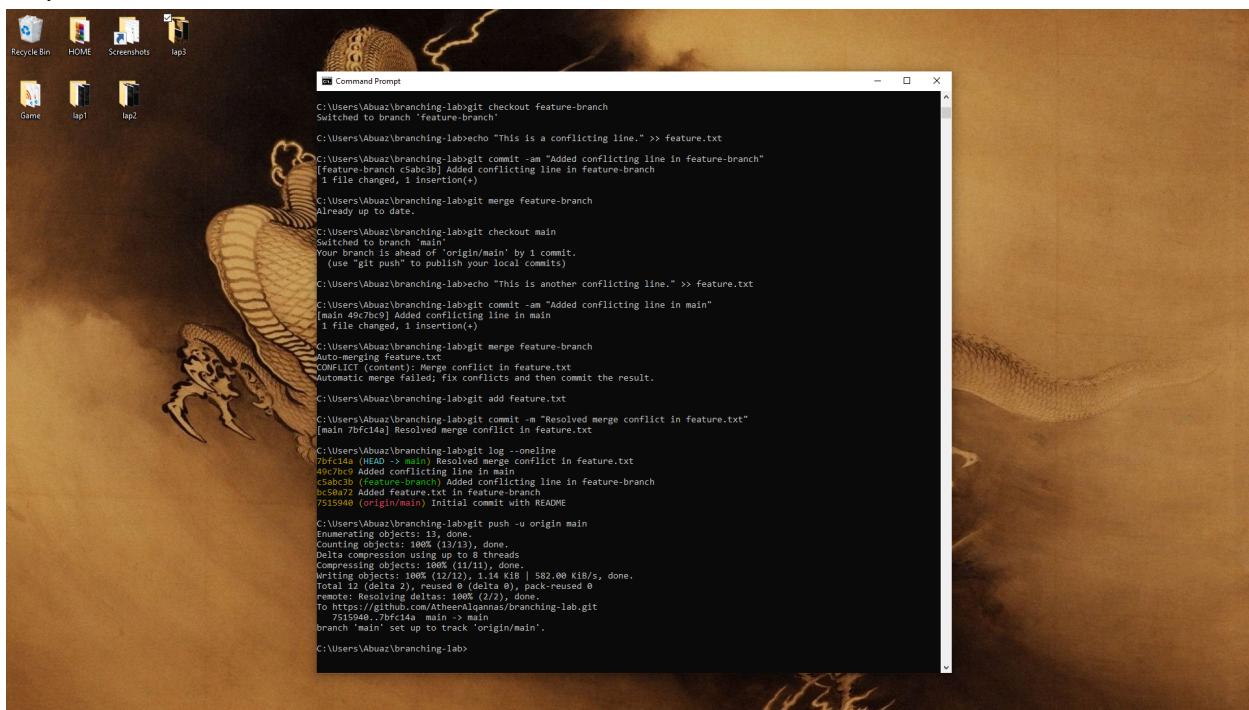
Step6.1



Step6.2



Step6.3



```
C:\Users\Abuaaz\branching-lab>git checkout feature-branch
Switched to branch "feature-branch"

C:\Users\Abuaaz\branching-lab>echo "This is a conflicting line." >> feature.txt
C:\Users\Abuaaz\branching-lab>git commit -am "Added conflicting line in feature-branch"
[feature-branch 5abbc3b] Added conflicting line in feature-branch
 1 file changed, 1 insertion(+)

C:\Users\Abuaaz\branching-lab>git merge feature-branch
Already up to date.

C:\Users\Abuaaz\branching-lab>git checkout main
Switched to branch "main"
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

C:\Users\Abuaaz\branching-lab>echo "This is another conflicting line." >> feature.txt
C:\Users\Abuaaz\branching-lab>git commit -am "Added conflicting line in main"
[main 49c7fc9] Added conflicting line in main
 1 file changed, 1 insertion(+)

C:\Users\Abuaaz\branching-lab>git merge feature-branch
Auto-merging feature.txt
CONFLICT (content): Merge conflict in feature.txt
Automatic merge failed; Fix conflicts and then commit the result.

C:\Users\Abuaaz\branching-lab>git add feature.txt
C:\Users\Abuaaz\branching-lab>git commit -m "Resolved merge conflict in feature.txt"
[main 7bf1c1a] Resolved merge conflict in feature.txt
C:\Users\Abuaaz\branching-lab>git log --oneline
7bf1c1a (HEAD -> main) Resolved merge conflict in feature.txt
49c7fc9 Added conflicting line in main
5abbc3b (feature-branch) Added conflicting line in feature-branch
5abbc3b (HEAD) Initial commit with README
7515940 (origin/main) Initial commit with README

C:\Users\Abuaaz\branching-lab>git push -u origin main
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 8 threads
Compressing objects: 100% (13/13), done.
Writing objects: 100% (13/13), 1.14 KiB | 582.00 KiB/s, done.
Total 12 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), done.
To https://github.com/Abuaaz/branching-lab.git
 7515940..7bf1c1a main -> main
branch 'main' set up to track 'origin/main'.
```