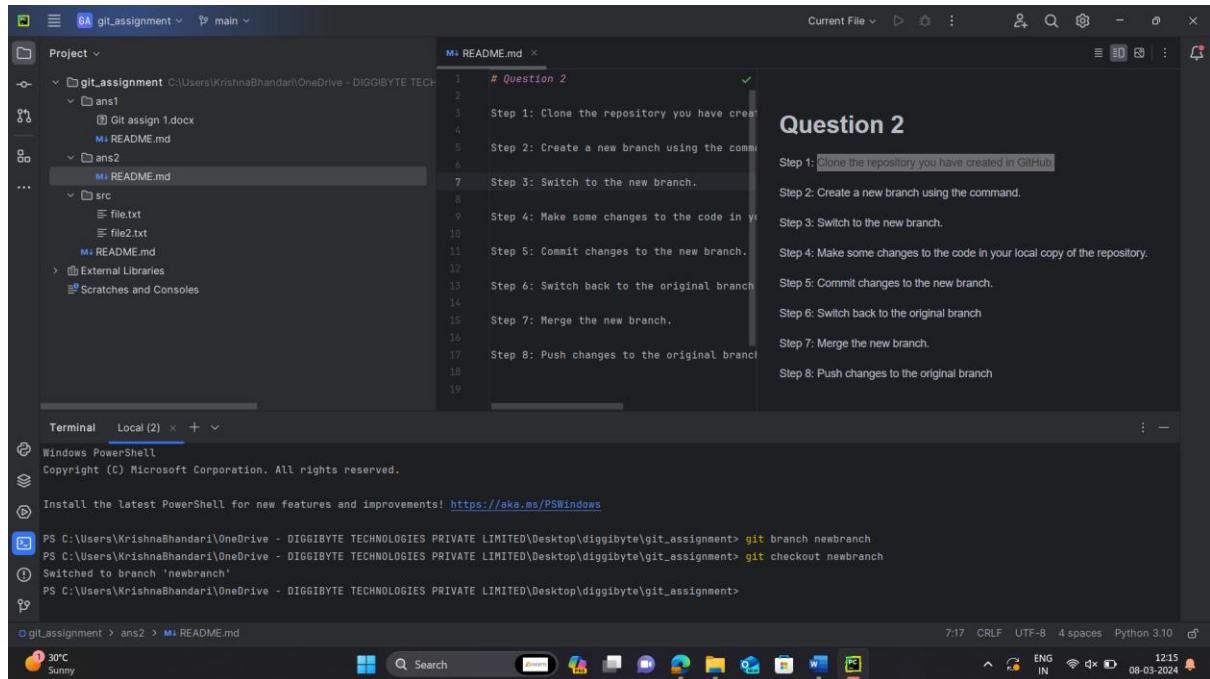


Question 2

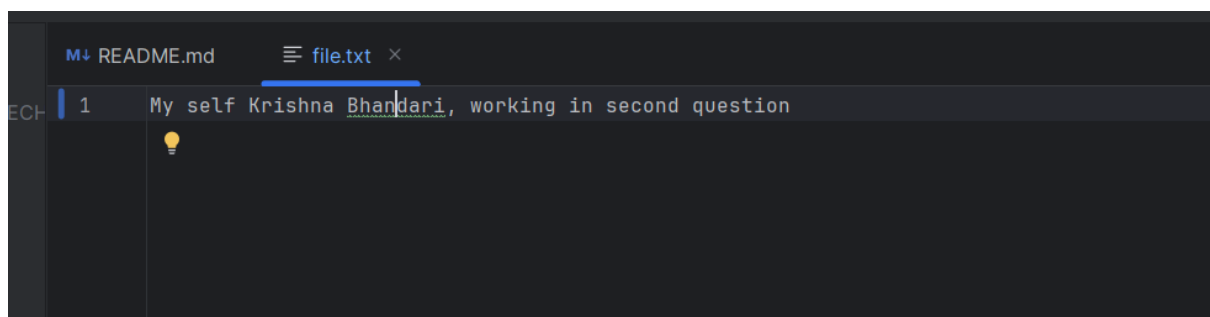
Step 1: Clone the repository you have created in GitHub.

Step 2: Create a new branch using the command.

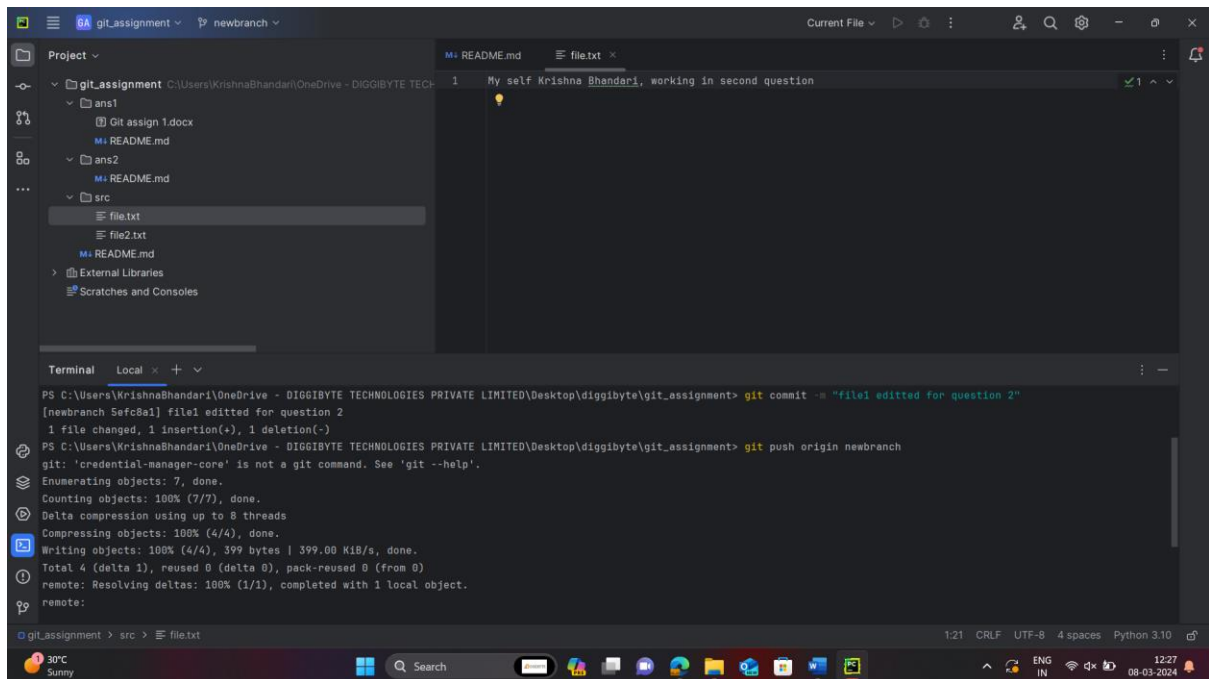
Step 3: Switch to the new branch.



Step 4: Make some changes to the code in your local copy of the repository.



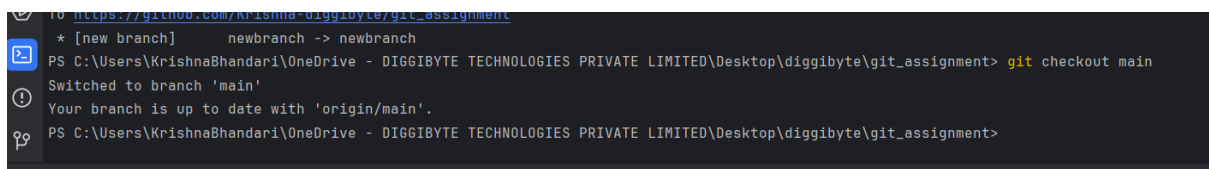
Step 5: Commit changes to the new branch.



The screenshot shows the Visual Studio Code interface with a project named 'git_assignment'. The file explorer on the left shows a directory structure with 'src' containing 'file.txt' and 'file2.txt'. The main editor shows 'file.txt' with the text 'My self Krishna Bhandari, working in second question'. The terminal at the bottom shows the following commands and output:

```
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment> git commit -m "file1 edited for question 2"
[newbranch 5efc8a1] file1 edited for question 2
1 file changed, 1 insertion(+), 1 deletion(-)
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment> git push origin newbranch
git: 'credential-manager-core' is not a git command. See 'git --help'.
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 399 bytes | 399.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
```

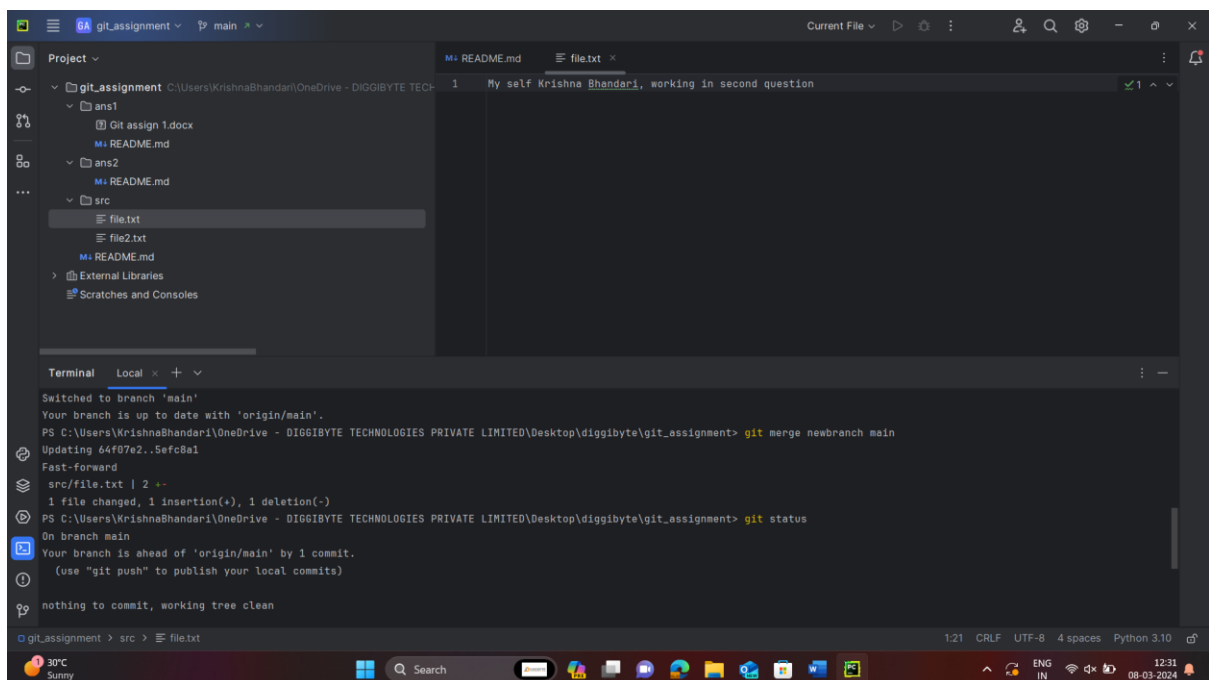
Step 6: Switch back to the original branch



The screenshot shows the terminal output for switching back to the main branch:

```
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment> git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment>
```

Step 7: Merge the new branch.

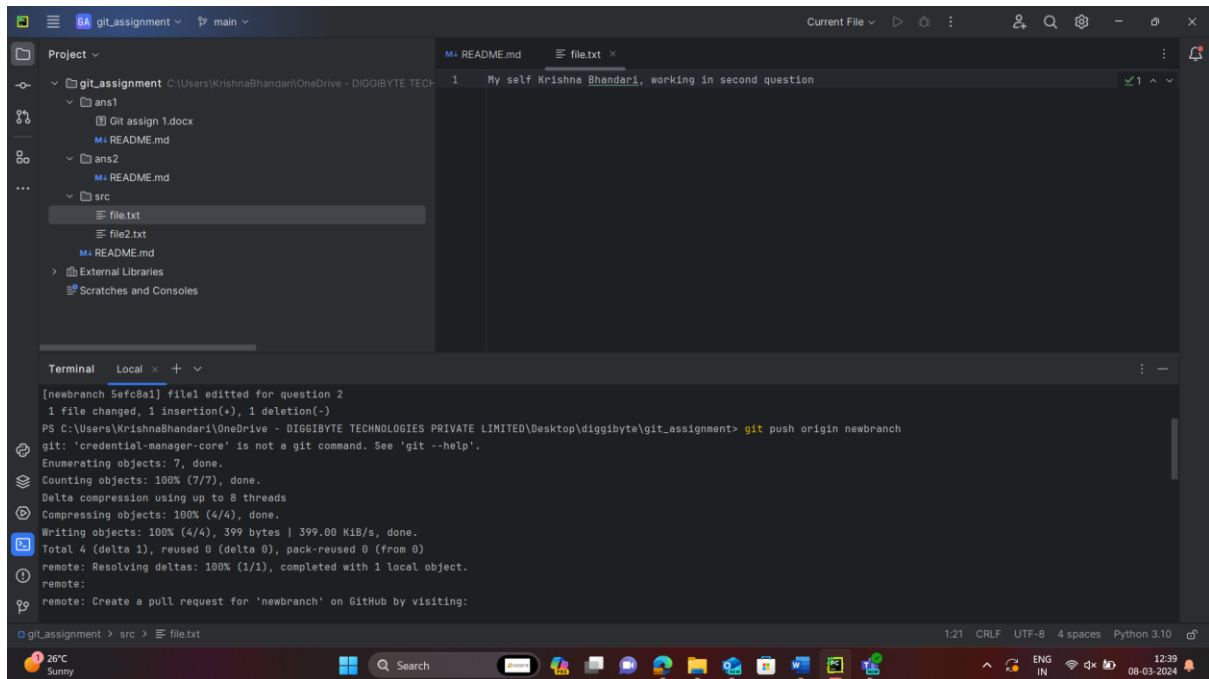


The screenshot shows the terminal output for merging the new branch into the main branch:

```
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment> git merge newbranch main
Updating 64f07e2..5efc8a1
Fast-forward
 src/file.txt | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment> git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
```

Step 8: Push changes to the original branch



The screenshot shows the Visual Studio Code interface with a project named 'git_assignment'. The file explorer on the left shows a directory structure with 'ans1' and 'ans2' folders, each containing a 'README.md' file, and a 'src' folder containing 'file.txt' and 'file2.txt'. The main editor window shows the content of 'file.txt', which reads: 'My self Krishna Bhandari, working in second question'. The terminal at the bottom shows the execution of the 'git push' command. The output indicates that the changes were successfully pushed to the 'newbranch' on the 'origin' repository. The terminal output is as follows:

```
[newbranch 5efc8a1] file1 edited for question 2
1 file changed, 1 insertion(+), 1 deletion(-)
PS C:\Users\KrishnaBhandari\OneDrive - DIGGIBYTE TECHNOLOGIES PRIVATE LIMITED\Desktop\diggibyte\git_assignment> git push origin newbranch
git: 'credential-manager-core' is not a git command. See 'git --help'.
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 399 bytes | 399.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'newbranch' on GitHub by visiting:
  https://github.com/KrishnaBhandari1/git_assignment/pull/new/newbranch
```

The status bar at the bottom indicates the current file is 'file.txt' in the 'src' directory, with a line length of 1:21, CRLF line endings, UTF-8 encoding, 4 spaces indentation, and Python 3.10 interpreter.