

Assessment 3 :write a step to create a new branch and merge with master branch

Sure! Here are the steps to create a new branch and then merge it with the master branch in Git:

Step-by-Step Guide

1. ****Navigate to Your Project Directory****

Open your terminal or command prompt and navigate to your project's directory.

cd /path/to/your/project

2. ****Ensure You Are on the Master Branch****

Switch to the master branch to ensure you are starting from the correct base.

git checkout master

3. ****Pull the Latest Changes****

Ensure your master branch is up-to-date with the remote repository.

git pull origin master

4. ****Create a New Branch****

Create a new branch from the master branch.

git checkout -b new-feature-branch

5. ****Make Your Changes****

Make the necessary changes in your project files.

6. ****Stage and Commit Your Changes****

Stage your changes and commit them to the new branch.

git add .

git commit -m "Add new feature"

7. ****Push the New Branch to Remote****

Push the new branch to the remote repository.

git push origin new-feature-branch

8. ****Switch Back to the Master Branch****

Switch back to the master branch.

git checkout master

9. ****Pull the Latest Changes on the Master Branch****

Ensure your master branch is up-to-date.

git pull origin master

10. ****Merge the New Branch into Master****

Merge your new branch into the master branch.

git merge new-feature-branch

11. ****Resolve Any Merge Conflicts (if any)****

If there are merge conflicts, Git will indicate which files are conflicting. Open these files, resolve the conflicts, and then stage the resolved files.

git add <file-with-conflict>

12. ****Commit the Merge (if necessary)****

If conflicts were resolved, commit the merge.

git commit -m "Resolve merge conflicts"

13. ****Push the Updated Master Branch to Remote****

Push the merged changes to the remote master branch.

git push origin master

Summary of Commands

cd /path/to/your/project
git checkout master
git pull origin master
git checkout -b new-feature-branch

Make your changes
git add .
git commit -m "Add new feature"
git push origin new-feature-branch
git checkout master
git pull origin master
git merge new-feature-branch

Resolve conflicts if any
git push origin master

By following these steps, you will have successfully created a new branch, made changes, and merged it back into the master branch.