Lab 3

**Git Branching Lab – Creating, Pushing, Merging & Deleting a Branch**

**Step 1: Create a New Branch Named test**

git branch test

**Step 2: List All Local Branches**

git branch

**Step 3: Switch to the test Branch**

git checkout test

**Step 4: Verify You Are on the test Branch and Add a New File**

git branch # Confirms you're on 'test' branch

touch mycode # Creates a new file named 'mycode'

git add mycode # Stages the new file

ls # Lists the file to confirm it's created

git commit -m "adding to test branch"

**Step 5: Push the test Branch to Remote**

git push origin test

**Step 6: Merge the test Branch Into main and Delete It**

git checkout main # Switch back to main branch

git merge test # Merge 'test' branch changes into 'main'

git branch -d test # Delete local 'test' branch

git push origin --delete test # Delete remote 'test' branch

git push origin main # Push the updated main branch