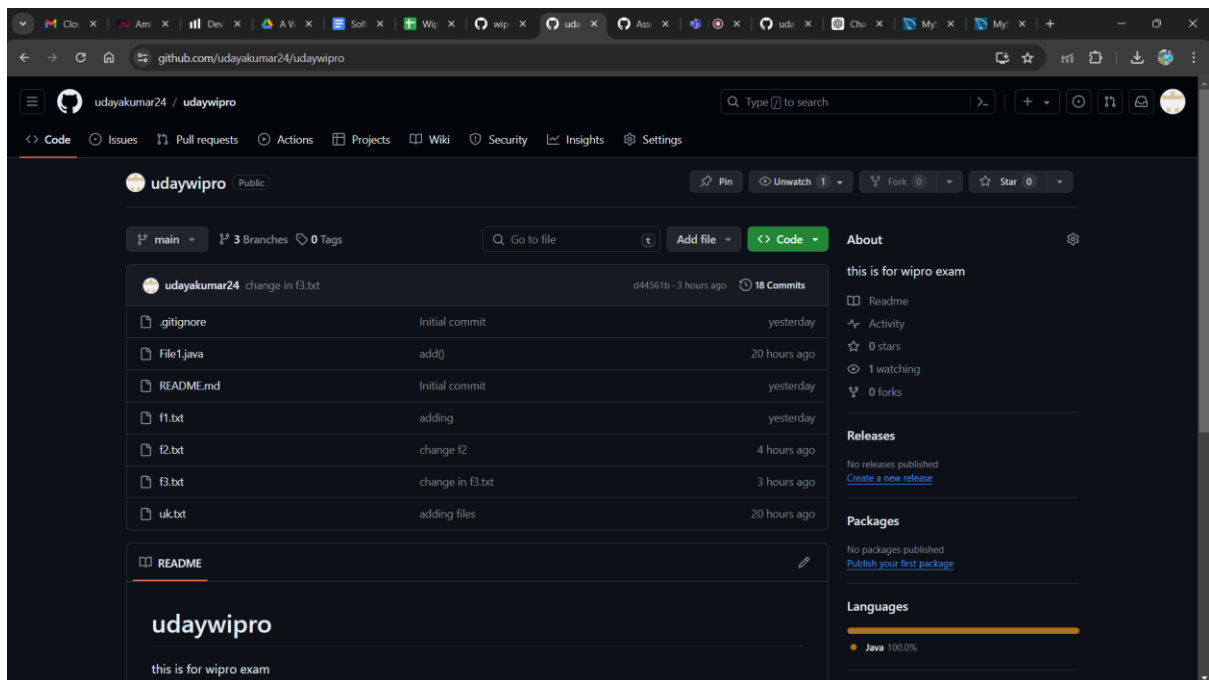Assignment 1: Initialize a new Git repository in a directory of your choice. Add a simple text file to the repository and make the first commit.

Assignment 2: Branch Creation and Switching

Create a new branch named 'feature' and switch to it. Make changes in the 'feature' branch and commit them.

Create a new branch named 'feature' and switch to it:

git checkout -b feature

This command creates a new branch named 'feature' and switches to it. Any changes you make from now on will be on this branch.

Make changes in the 'feature' branch:

Modify files, add new files, or make any necessary changes to implement the feature.

Stage and commit the changes:

git add .

git commit -m "Your commit message here"

Replace "Your commit message here" with a concise and descriptive message explaining the changes you've made.

Push the changes to the remote repository (if needed):

git push origin feature

Assignment 3: Feature Branches and Hotfixes

Create a 'hotfix' branch to fix an issue in the main code. Merge the 'hotfix' branch into 'main' ensuring that the issue is resolved.

git checkout -b hotfix

git add .

git commit -m "Fix: Describe the issue you fixed"

git checkout main

git merge hotfix

git push origin main

git branch -d hotfix