

Assignment-5

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.

Solution:-

```
# Assignment 1
#!/bin/bash
git init
echo "This is my first file in the repository" > example.txt
git add example.txt
git commit -m "Initial commit with example.txt"
```

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.

Solution:-

```
# Assignment 2
git branch feature
git checkout feature
echo "New feature content" > feature.txt
git add .
git commit -m "Added new features in feature branch"
```

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.

Solution:-

```
# Assignment 3
git checkout main
git branch hotfix
git checkout hotfix
echo "Fixed issue content" > example.txt
git add .
git commit -m "Fixed issue in hotfix branch"
git checkout main
git merge hotfix
```