

## Assignement-1

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:

```
cd git-learning/wipro
git init
vi example.txt
git add example.txt
git commit -m "Initial commit"
```

## Assignment-2

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:

#### #Create and Switch to the New Branch:

```
git checkout -b feature
```

#### #Make Changes:

```
vi example.txt
```

#### # Add Changes to Staging Area:

```
git add example.txt
```

#### #Commit Changes:

```
git commit -m "changes in the feature branch"
```

## Assignment-3

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:**

# Create and Switch to the Hotfix Branch

```
git checkout -b hotfix
```

# Make the necessary code changes to address the identified issue.

```
vi t2.txt
```

# Add Changes to Staging Area

```
git add f2.txt
```

```
git commit -m "Fixed the issue in the main code"
```

# Switch back to the Main Branch

```
git checkout main
```

#Merge the Hotfix Branch into Main

```
git merge hotfix
```

```
git push origin main
```