

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.

To initialize a new Git repository, add a simple text file, and make the first commit, follow these steps:

Step 1: Open the terminal and navigate to the directory where you want to create the new repository. If you want to create a new directory, use the following command:

```
mkdir my-new-repo  
cd my-new-repo
```

Step 2: Initialize the Git repository:

```
git init
```

Step 3: Create a new text file.

For example, let's create a file called `example.txt` and add some content to it:

```
echo "This is my first file in the new Git repository." > example.txt
```

Step 4 Add the file to the staging area:

```
git add example.txt
```

Step 5: Make the first commit:

```
git commit -m "Initial commit with example.txt"
```

Now, the new Git repository is initialized, and the `example.txt` file has been added and committed.

Here's a summary of the commands:

```
mkdir my-new-repo  
cd my-new-repo  
git init  
echo "This is my first file in the new Git 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.

To create a new branch named 'feature', switch to it, make changes, and commit them, follow these steps:

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

```
git checkout -b feature
```

Step 2: Make changes in the 'feature' branch.

For example, let's modify the `example.txt` file:

```
echo "This is an update from the feature branch." >> example.txt
```

Step 3: Add the changes to the staging area

```
git add example.txt
```

Step 4: Commit the changes

```
git commit -m "Updated example.txt in the feature branch"
```

Here are the commands summarized:

```
git checkout -b feature
echo "This is an update from the feature branch." >> example.txt
git add example.txt
git commit -m "Updated example.txt in the feature branch"
```

By following these steps, you have successfully created a new branch named 'feature', switched to it, made changes to the `example.txt` file, and committed those changes.