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.

```
Admin@Disney MINGW64 /d/A wipro/mygitfold/wiprorepo (main)
$ echo Good Afternoon > file2.txt

Admin@Disney MINGW64 /d/A wipro/mygitfold/wiprorepo (main)
$ git add file2.txt
warning: LF will be replaced by CRLF in file2.txt.
The file will have its original line endings in your working directory

Admin@Disney MINGW64 /d/A wipro/mygitfold/wiprorepo (main)
$ git commit -m "Created file2.txt"
[main ea1790e] Created file2.txt
 1 file changed, 1 insertion(+)
 create mode 100644 file2.txt

Admin@Disney MINGW64 /d/A wipro/mygitfold/wiprorepo (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 3 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

Admin@Disney MINGW64 /d/A wipro/mygitfold/wiprorepo (main)
$ |
```

Assignment 2: Branch creation and switching

create a new branch 'feature' and switch to it. make changes in the feature branch and commit them.

```
hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprorepo (feature)
$ touch featurefile.txt

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprorepo (feature)
$ git add .

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprorepo (feature)
$ git commit -m "featurefile.txt added"
[feature 63063f7] featurefile.txt added
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 featurefile.txt

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprorepo (feature)
$ git push -u origin feature
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 239 bytes | 119.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'feature' on GitHub by visiting:
remote:      https://github.com/amitkumar256/wiprorepo/pull/new/feature
remote:
To https://github.com/amitkumar256/wiprorepo.git
 * [new branch]      feature -> feature
branch 'feature' set up to track 'origin/feature'.

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprorepo (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.

```
hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprorepo (feature)
$ git checkout -b hotfix origin/main
Switched to a new branch 'hotfix'
branch 'hotfix' set up to track 'origin/main'.

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprore
po (hotfix)
$ git ls-files
.gitignore
README.md
f1.txt
f2.txt
file1.java
mylogfile.txt

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprore
po (hotfix)
$ vim file1.java

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprore
po (hotfix)
$ git add .

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprore
po (hotfix)
$ git commit -m "changes done"
[hotfix 4a7d5e7] changes done
 1 file changed, 1 insertion(+)

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprore
po (hotfix)
$ git push -u origin hotfix
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 316 bytes | 158.00 K
iB/s, done.
```

```
branch 'hotfix' set up to track 'origin/hotfix'.

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprore
po (hotfix)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprore
po (main)
$ git checkout main
Already on 'main'
Your branch is up to date with 'origin/main'.

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprore
po (main)
$ git merge hotfix
Updating f32de30..4a7d5e7
Fast-forward
 file1.java | 1 +
 1 file changed, 1 insertion(+)

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprore
po (main)
$ git add .

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprore
po (main)
$ git commit -m "merge with hotfix"
On branch main
Your branch is ahead of 'origin/main' by 1 commit
.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

hp@LAPTOP-7J6M8CF5 MINGW64 /d/mygitfolder/wiprore
po (main)
$ git push origin main
```