Exercise -1:

```
12676@Shyamal MINGW64 ~
$ cd C:/Users/12676/OneDrive/Desktop/Documents/assignment-1

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1
$ git init
Initialized empty Git repository in C:/Users/12676/OneDrive/Desktop/Documents/as
signment-1/.git/

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ touch index.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ vi index.html
```

```
12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents
$ cd assignment-1

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index.html

nothing added to commit but untracked files present (use "git add" to track)

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ git add .
warning: in the working copy of 'index.html', LF will be replaced by CRLF the ne
xt time Git touches it

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   index.html


12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ git commit -m "Initial Message"
[master (root-commit) da0490c] Initial Message
 1 file changed, 11 insertions(+)
 create mode 100644 index.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ git log
commit da0490c6500c2c2a4f2feae09dc34f9e003f7f91 (HEAD -> master)
Author: Shyamal-Mishra <mishra.shyamal116@gmail.com>
Date:   Fri Aug 2 16:35:51 2024 -0400

    Initial Message
```

Exercise-2

```
12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ git clone https://github.com/shyamal11/VSC-Assignment.git
Cloning into 'VSC-Assignment'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ touch index.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ touch about.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ vi index.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ vi about.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   index.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        VSC-Assignment/
        about.html

no changes added to commit (use "git add" and/or "git commit -a")
```

```
12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ git add about.html
warning: in the working copy of 'about.html', LF will be replaced by CRLF the next time G

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   about.html

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   index.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        VSC-Assignment/


12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ git commit -m "File x added"
[master 424d84f] File x added
 1 file changed, 38 insertions(+)
 create mode 100644 about.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1 (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   index.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        VSC-Assignment/

no changes added to commit (use "git add" and/or "git commit -a")
```

Exercise -3

```
12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ ls -a
./  ../  .git/  README.md

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ touch index.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ vi index.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index.html

nothing added to commit but untracked files present (use "git add" to track)
```

```
12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git add .
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git commit -m "initial commit"
[master ee820ac] initial commit
 1 file changed, 12 insertions(+)
 create mode 100644 index.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git branch my-feature
```

```
12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git branch
* master
  my-feature

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ checkout my-feature
bash: checkout: command not found

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git checkout my-feature
Switched to branch 'my-feature'

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (my-feature)
$ touch about.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (my-feature)
$ vi about.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (my-feature)
$ git add .
warning: in the working copy of 'about.html', LF will be replaced by CRLF the next time Git touches it
```

```
12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (my-feature)
$ git status
On branch my-feature
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   about.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (my-feature)
$ git commit -m "added new file"
[my-feature be588b7] added new file
 1 file changed, 39 insertions(+)
 create mode 100644 about.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (my-feature)
$ git push --set-upstream  origin my-feature
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 1.07 KiB | 547.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
remote:
remote: Create a pull request for 'my-feature' on GitHub by visiting:
remote:      https://github.com/shyamal11/VSC-Assignment/pull/new/my-feature
remote:
To https://github.com/shyamal11/VSC-Assignment.git
 * [new branch]      my-feature -> my-feature
branch 'my-feature' set up to track 'origin/my-feature'.
```

```
12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git pull origin master
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), 905 bytes | 150.00 KiB/s, done.
From https://github.com/shyamal11/VSC-Assignment
 * branch            master      -> FETCH_HEAD
   0f20953..5f9f78d  master      -> origin/master
Updating ee820ac..5f9f78d
Fast-forward
 about.html | 39 +++++++++++++++++++++++++++++++++++++++
 1 file changed, 39 insertions(+)
 create mode 100644 about.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
```

Exercise -4

```
12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (my-feature)
$ nano index.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (my-feature)
$ git add .

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (my-feature)
$ git commit -m "pusdhing changes in my-feature-1"
[my-feature 78dd474] pusdhing changes in my-feature-1
 1 file changed, 1 insertion(+), 1 deletion(-)

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (my-feature)
$ git push -u origin my-feature
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), 338 bytes | 338.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/shyamal11/VSC-Assignment.git
   7fd6d55..78dd474  my-feature -> my-feature
branch 'my-feature' set up to track 'origin/my-feature'.

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (my-feature)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
```

```
12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git pull origin master
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), 901 bytes | 180.00 KiB/s, done.
From https://github.com/shyamal11/VSC-Assignment
 * branch            master     -> FETCH_HEAD
   bb490a5..7d7d125  master     -> origin/master
Updating bb490a5..7d7d125
Fast-forward
 index.html | 2 ++
 1 file changed, 2 insertions(+)

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ nano index.html

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git add .

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git commit -m "for master"
[master 96bd812] for master
 1 file changed, 1 insertion(+), 1 deletion(-)
```

```
12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git commit -m "for master"
[master 96bd812] for master
 1 file changed, 1 insertion(+), 1 deletion(-)

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git push -u origin master
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), 319 bytes | 319.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/shyamal11/VSC-Assignment.git
   7d7d125..96bd812  master -> master
branch 'master' set up to track 'origin/master'.

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git merge master
Already up to date.

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git merge my-feature
Auto-merging index.html
CONFLICT (content): Merge conflict in index.html
Automatic merge failed; fix conflicts and then commit the result.

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master|MERGING)
$ nano index.html
```

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Hello World, lets see--changes in main brach</title>
</head>
<body>

<<<<<<< HEAD
    <h1>Hello, World!, testing test-4</h1>
=======
    <h1>Hello, World!, conflict -test-3</h1>
>>>>>>> my-feature

</body>
</html>
```

```
12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master|MERGING)
$ git add .

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master|MERGING)
$ git commit -m "resolving conflicts"
[master 8232a81] resolving conflicts

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git push -u origin master
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 324 bytes | 324.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/shyamal11/VSC-Assignment.git
   96bd812..8232a81  master -> master
branch 'master' set up to track 'origin/master'.

12676@Shyamal MINGW64 ~/OneDrive/Desktop/Documents/assignment-1/VSC-Assignment (master)
$ git merge my-feature
Already up to date.
```