Assignment 2:- Performed on Git Bash By Lavin Choudhary.

GitHub Repository :- https://github.com/lavin12/DevOps-Training/tree/master

Q1 :- Setup a remote repository in Local , Add a file and commit or save the changes and push to master branch.

```
Lavin@DESKTOP-T6HMOMB MINGW64 ~
$ cd /c/Users/Lavin/Desktop/projects

Lavin@DESKTOP-T6HMOMB MINGW64 ~/Desktop/projects (master)
$ git init
Reinitialized existing Git repository in C:/Users/Lavin/Desktop/projects/.git/

Lavin@DESKTOP-T6HMOMB MINGW64 ~/Desktop/projects (master)
$ echo "Hello, world!" > hello.txt

Lavin@DESKTOP-T6HMOMB MINGW64 ~/Desktop/projects (master)
$ git add hello.txt
warning: in the working copy of 'hello.txt', LF will be replaced by CRLF the nex
t time Git touches it

Lavin@DESKTOP-T6HMOMB MINGW64 ~/Desktop/projects (master)
$ git commit -m "Add hello.txt with a hello message"
[master (root-commit) b21fd84] Add hello.txt with a hello message
 1 file changed, 1 insertion(+)
 create mode 100644 hello.txt
```

And here the commands which I used :-

```
cd /c/Users/Lavin/Desktop/projects
git init
echo "Hello, world!" > hello.txt
git add hello.txt
git commit -m "Add hello.txt with a hello message"
git remote add origin https://github.com/lavin12/DevOps-Training.git
git push -u origin master
```

Q2 :- Create a new branch then commit and push the changes to new branch and merge it with the master branch using pull request.

```
Lavin@DESKTOP-T6HMOMB MINGW64 ~/Desktop/projects (master)
$ git checkout -b new-branch
Switched to a new branch 'new-branch'

Lavin@DESKTOP-T6HMOMB MINGW64 ~/Desktop/projects (new-branch)
$ echo "Greetings from the new branch!" > greetings.txt

Lavin@DESKTOP-T6HMOMB MINGW64 ~/Desktop/projects (new-branch)
$ git add greetings.txt
warning: in the working copy of 'greetings.txt', LF will be replaced by CRLF the next time Git touches

Lavin@DESKTOP-T6HMOMB MINGW64 ~/Desktop/projects (new-branch)
$ git commit -m "Add greetings.txt with a greeting message"
[new-branch 759ec35] Add greetings.txt with a greeting message
 1 file changed, 1 insertion(+)
 create mode 100644 greetings.txt

Lavin@DESKTOP-T6HMOMB MINGW64 ~/Desktop/projects (new-branch)
$ git push -u origin new-branch
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 342 bytes | 171.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'new-branch' on GitHub by visiting:
remote:      https://github.com/lavin12/DevOps-Training/pull/new/new-branch
remote:
To https://github.com/lavin12/DevOps-Training.git
 * [new branch]      new-branch -> new-branch
branch 'new-branch' set up to track 'origin/new-branch'.
```

Q3 :- Undo the last commit or remove the last created file from remote repo using CLI.

```
Lavin@DESKTOP-T6HMOMB MINGW64 ~/Desktop/projects (new-branch)
$ git push origin --delete new-branch
To https://github.com/lavin12/DevOps-Training.git
 - [deleted]          new-branch
```

Q4:- Resolve a merge conflicts.

Ans : I don't get any merge conflicts while merging.