1. Checking current version of Git (git –version)

```
olasu@LAPTOP-S20MHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (bunmi)
$ git --version
git version 2.35.1.windows.2
```

2. Get all the branches in the repository (git branch -a)

```
olasu@LAPTOP-S20MHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (bunmi)
$ git branch -a
* bunmi
main
remotes/origin/HEAD -> origin/main
remotes/origin/bunmi
remotes/origin/main
```

Checkout to another branch (git checkout bunmi). Note to create a new branch and checkout, use "git checkout -b Bunmi".

```
olasu@LAPTOP-S20MHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (main)

$ git checkout bunmi

Switched to branch 'bunmi'

olasu@LAPTOP-S20MHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (bunmi)

$
```

4. List git user level configuration settings (git config --global -list)

```
olasu@LAPTOP-S2OMHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (bunmi)

$ git config --global --list
user.email=olasunlan@gmail.com
user.name=Bunmi-Ola
alias.lol=log --oneline --graph --decorate --all
```

5. Display the state of the repository and staging area (git status)

```
olasu@LAPTOP-S20MHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (bunmi)
$ git status
On branch bunmi
nothing to commit, working tree clean
```

6. Retrieve all the changes from GitHub (git pull)

```
olasu@LAPTOP-S2OMHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (bunmi)
$ git pull
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 5 (delta 0), reused 4 (delta 0), pack-reused 0 Unpacking objects: 100% (5/5), 271.87 KiB | 1.69 MiB/s, done.
From https://github.com/Bunmi-Ola/group-1_linux-assignment
   217bd79..07129e7 main
                                             -> origin/main
 * [new branch]
                       nafeesahassignment2 -> origin/nafeesahassignment2
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.
    git pull <remote> <branch>
If you wish to set tracking information for this branch you can do so with:
    git branch --set-upstream-to=origin/<branch> bunmi
```

7. Delete the local branch (git branch -d bunmi): note using git branch -D Bunmi is to enforce the delete command

```
olasu@LAPTOP-S2OMHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (main)
$ git branch -d bunmi
error: The branch 'bunmi' is not fully merged.
If you are sure you want to delete it, run 'git branch -D bunmi'.

olasu@LAPTOP-S2OMHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (main)
$ git branch -D bunmi
Deleted branch bunmi (was 14556e4).

olasu@LAPTOP-S2OMHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (main)
$ git branch -a
* main
   remotes/origin/HEAD -> origin/main
   remotes/origin/main
   remotes/origin/main
   remotes/origin/main
   remotes/origin/main
   remotes/origin/nafeesahassignment2

olasu@LAPTOP-S2OMHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (main)
$
```

8. Delete remote branches (git push origin –delete Bunmi)

9. Show information about commits that have occurred in repository (Git log)

```
olasu@LAPTOP-S20MHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (main)
$ git log
commit 217bd790f6b3e623b96a7b333e52a1281d8e3442 (HEAD -> main)
Author: Bunmi-Ola <51763820+Bunmi-Ola@users.noreply.github.com>
Date: Tue May 10 17:32:43 2022 -0600

Update README.md

commit 254c14d9508262c8d4a722ae8130f9296774cd96
Author: Bunmi-Ola <51763820+Bunmi-Ola@users.noreply.github.com>
Date: Tue May 10 17:28:51 2022 -0600

Initial commit

olasu@LAPTOP-S20MHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (main)
$
```

10. Add changes in the working directory to the staging area (git add .)

```
olasu@LAPTOP-S2OMHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (bunmi)
$ git add .

olasu@LAPTOP-S2OMHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (bunmi)
$ git status
On branch bunmi
Changes to be committed:
    (use "git restore --staged <file>..." to unstage)
        new file: Linux Assignment Answer-Bunmi.pdf

olasu@LAPTOP-S2OMHIP9 MINGW64 ~/Documents/BlackTech/group-1_linux-assignment (bunmi)
$
```