# Mansuri Naushin Parveen Sagir Ahmed (24310041)
## Lab Assignment-4

## 1. For Lab-2

```
naushin_parveen@Naushin:~$ mkdir biocomputing_assignments
naushin_parveen@Naushin:~$ cd biocomputing_assignments/
naushin_parveen@Naushin:~/biocomputing_assignments$ git init
Initialized empty Git repository in /home/naushin_parveen/biocomputing_assignm
ts/.git/
naushin_parveen@Naushin:~/biocomputing_assignments$
```

```
naushin_parveen@Naushin:~/biocomputing_assignments$ mkdir Lab-2
naushin_parveen@Naushin:~/biocomputing_assignments$ cp /home/naushin_parveen/Duplicate/lab2/lab2_Q Lab-2/
naushin_parveen@Naushin:~/biocomputing_assignments$ cp /home/naushin_parveen/Duplicate/lab2/lab2_A Lab-2/

naushin_parveen@Naushin:~/biocomputing_assignments$ ls
Lab-2
naushin_parveen@Naushin:~/biocomputing_assignments$ cd Lab-2/
naushin_parveen@Naushin:~/biocomputing_assignments/Lab-2$ ls
```

```
naushin_parveen@Naushin:~/biocomputing_assignments$ git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Lab-2/

nothing added to commit but untracked files present (use "git add" to track)
naushin_parveen@Naushin:~/biocomputing_assignments$ git add Lab-2/
naushin_parveen@Naushin:~/biocomputing_assignments$ git commit -m "Added Lab-2 Assignment"
[main (root-commit) fd43297] Added Lab-2 Assignment
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Lab-2/lab2_A
 create mode 100644 Lab-2/lab2_Q
naushin_parveen@Naushin:~/biocomputing_assignments$
```

```
naushin_parveen@Naushin:~/biocomputing_assignments$ git remote add origin git@github.com:naushinmansuri-png/BE623.git
naushin_parveen@Naushin:~/biocomputing_assignments$ git branch -M main
naushin_parveen@Naushin:~/biocomputing_assignments$ git push -u origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 1.12 MiB | 9.42 MiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:naushinmansuri-png/BE623.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

**<u>Short Description of commands:</u>**

- mkdir Lab-2 → makes a new folder for Lab-2.
- cp … Lab-2/ → copies the assignment files into Lab-2.
- git status → checks if Git is aware of these new files (they show as untracked).
- git add Lab-2 → stages all files in Lab-2 so Git can track them.
- git commit -m "Added Lab-2 assignment" → saves this snapshot in Git's local history with a message.
- git remote add origin … → links your local repo with the GitHub repo (only first time).
- git branch -M main → ensures your branch is called main (GitHub default).
- git push -u origin main → uploads your committed Lab-2 files to GitHub.

In Lab-2, I created a new folder and added the question and answer files. I checked their status with git status, staged them using git add, and saved the snapshot with git commit. Then I linked my local repository to GitHub using git remote add origin. Finally, I pushed the files to GitHub with git push, which uploaded the Lab-2 folder successfully.

## 2. For Lab-3

```
naushin_parveen@Naushin:~/biocomputing_assignments$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Lab-3/

nothing added to commit but untracked files present (use "git add" to track)
naushin_parveen@Naushin:~/biocomputing_assignments$ git add Lab-3
naushin_parveen@Naushin:~/biocomputing_assignments$ git commit -m "Added Lab-3 Assignment"
[main d5272ee] Added Lab-3 Assignment
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Lab-3/lab3_A
 create mode 100644 Lab-3/lab3_Q
naushin_parveen@Naushin:~/biocomputing_assignments$ git push
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 1.09 MiB | 4.81 MiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:naushinmansuri-png/BE623.git
   fd43297..d5272ee  main -> main
naushin_parveen@Naushin:~/biocomputing_assignments$
```

```
naushin_parveen@Naushin:~/biocomputing_assignments$ mkdir Lab-3
naushin_parveen@Naushin:~/biocomputing_assignments$ cp /home/naushin_parveen/Duplicate/lab3/lab3_Q Lab-3
naushin_parveen@Naushin:~/biocomputing_assignments$ cp /home/naushin_parveen/Duplicate/lab3/lab3_A Lab-3
naushin_parveen@Naushin:~/biocomputing_assignments$ ls
Lab-2  Lab-3
naushin_parveen@Naushin:~/biocomputing_assignments$ cd Lab-3
naushin_parveen@Naushin:~/biocomputing_assignments/Lab-3$ ls
lab3_A  lab3_Q
naushin_parveen@Naushin:~/biocomputing_assignments/Lab-3$ cd ..
naushin_parveen@Naushin:~/biocomputing_assignments$ ls
Lab-2  Lab-3
naushin_parveen@Naushin:~/biocomputing_assignments$
```

For Lab-3, I created another folder, added the assignment files, and checked the status with git status. I staged the files with git add, committed them with git commit, and finally pushed the changes using git push. The GitHub repository now shows both Lab-2 and Lab-3 folders.

# On Git Hub Account:

[git@github.com](mailto:git@github.com):naushinmansuri-png/BE623.git

https://github.com/naushinmansuri-png/BE623.git