

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_assignments/.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'.
```

Short Description of commands:

- `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: I started attending the course after Lab assignment-1 so did not make it.

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

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

The screenshot shows the GitHub interface for a repository named 'BE623' by user 'naushinmansuri-png'. The repository is public and has 0 stars, 0 forks, and 0 watchers. The main branch is 'main'. The repository contains three files: 'Lab-2', 'Lab-3', and 'Lab-4', each with a commit message 'Added Lab-2 Assignment', 'Added Lab-3 Assignment', and 'Added Lab-4 assignment' respectively. The 'Lab-4' commit is the most recent, made 'now'. The repository also has a 'README' file, which is currently empty and prompts the user to 'Add a README'. The right sidebar shows the 'About' section with the title 'Biocomputing Lab Assignments' and the 'Releases' section with the message 'No releases published' and a link to 'Create a new release'. The 'Packages' section also shows 'No packages published' and a link to 'Publish your first package'.

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

naushinmansuri-png BE623 (Public) Pin Watch 0 Fork 0 Star 0

main 1 Branch 0 Tags Go to file Add file <> Code

naushinmansuri-png Added Lab-4 assignment aecb076 · now 3 Commits

Lab-2	Added Lab-2 Assignment	47 minutes ago
Lab-3	Added Lab-3 Assignment	29 minutes ago
Lab-4	Added Lab-4 assignment	now

README

Add a README

Help people interested in this repository understand your project by adding a README

About

Biocomputing Lab Assignments

Activity

0 stars

0 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package