

4. Provide all the commands with screenshots attached for this question(Create a directory called project then create some files in it with some content, and then do all the below mentioned operations in it).Before entering to branching make sure to initialize ,add and commit the files with some content) (attach screenshots of initialization too before entering to part a) [8 Marks] a) In terminal 1) Create a branch named src ,then list all branches. 2) Then switch to master branch 3) Then again create a branch named new and merge the created branch into master branch. 4) Show the difference in commit history between new and master branches b) In browser and in terminal 1) Create and Open your github account 2) Then click on new repository and give name to it as sslassignment 3) You can mark it as public or private and then click on create repository,then in terminal by using add github remote repository and push your code to the master branch

A.

```
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8$ mkdir project
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8$ cd project
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ echo "hello this is prekshaa">file1.txt
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ echo "This is a assignment" > file2.txt
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git init
hint: Using 'master' as the name for the initial branch. This default
hint: branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this
hint: command:
hint:   git branch -m <name>
Initialized empty Git repository in /mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project/.git/
```

```
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git branch src
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git branch
* master
  src
```

```
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git checkout master
Already on 'master'
```

```
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git branch new
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git checkout master
Already on 'master'
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git merge new
Already up to date.
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ |
```

```
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git checkout new
Switched to branch 'new'
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ echo "New content in the new branch" >> file1.txt
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git add file1.txt
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git commit -m "Added new content in the new branch"
[new ff3caf7] Added new content in the new branch
1 file changed, 1 insertion(+)
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git checkout master
Switched to branch 'master'
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git log master..new
commit ff3caf77aa767bd1346f0dec202e16568533c64b (new)
Author: Preksha Patange <patangepreksha@gmail.com>
Date: Mon Nov 18 17:13:40 2024 +0530
```

Added new content in the new branch

```
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git push -u origin master
Username for 'https://github.com': prekshapatange
Password for 'https://prekshapatange@github.com':

Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 311 bytes | 8.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/prekshapatange/sslassignment.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git remote add origin https://github.com/prekshapatange/sslassignment.git
prekshap@Preksha:/mnt/c/Users/Preks/Downloads/SSL/Assignments/Assignment_8/project$ git branch -M master
```



prekshapatange /
sslassignment



<> Code

Issues

Pull requests

Actions

Projects



Set up GitHub Copilot

Use GitHub's AI pair programmer to autocomplete suggestions as you code.

Get started with GitHub Copilot



Add collaborators to this repository

Search for people using their GitHub username or email address.

Invite collaborators

