



Subject: Cloud Computing

Name:

Shumaila Munsib

Registration number:

2023-BSE-062

Submitted To:

Sir Shoaib

Task 1:

cc-lab3 / README.md

Shumaila12345 Update README.md

Preview Code Blame 1 lines (1 loc) · 42 Bytes

This line was added remotely from GitHub.

```
Samina@DESKTOP-ETHF70B MINGW64 ~ (master)
$ git add README.md

Samina@DESKTOP-ETHF70B MINGW64 ~ (master)
$ git commit -m "Local update to README"
[master (root-commit) 4590f6e] Local update to README
1 file changed, 1 insertion(+)
create mode 100644 README.md

Samina@DESKTOP-ETHF70B MINGW64 ~ (master)
$
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git push origin main
To github.com:Shumaila12345/cc-lab3.git
! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'github.com:Shumaila12345/cc-lab3.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git pull --no-rebase origin main
From ssh://github.com/Shumaila12345/cc-lab3
* branch          main      -> FETCH_HEAD
Already up to date.
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git push -u origin main
branch 'main' set up to track 'origin/main'.
Everything up-to-date

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$
```

```
[detached HEAD 1acccb3] Local rebase update
1 file changed, 4 insertions(+)
Successfully rebased and updated refs/heads/main.
```


```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ |
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ 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% (2/2), done.
Writing objects: 100% (3/3), 352 bytes | 117.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To ssh://github.com/Shumaila12345/cc-lab3.git
    402e498..1acccb3  main -> main
branch 'main' set up to track 'origin/main'.

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ |
```

Task 2:

 Shumaila12345 Update README.md

Preview Code Blame 11 lines (6 loc) · 174 Bytes 

Shumaila062 hii

This line was updated remotely again.

Another line added remotely (for rebase test).

Another line added locally (for rebase test). (Local rebase update)

Shumaila062

hii

This line was added remotely from GitHub.

This line was added remotely from GitHub.

Another line added remotely (for rebase test).

This line was updated locally at the same time.

(for rebase test).

(Local rebase update)

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git add README.md
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git commit -m "Local conflicting change"
[main 6db01a4] Local conflicting change
1 file changed, 2 insertions(+), 1 deletion(-)
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ |
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git push -u origin main
To ssh://github.com/Shumaila12345/cc-lab3.git
 ! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'ssh://github.com/Shumaila12345/cc-lab3.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ |
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git pull --rebase origin main
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 999 bytes | 24.00 KiB/s, done.
From ssh://github.com/Shumaila12345/cc-lab3
 * branch          main      -> FETCH_HEAD
 1acccb3..5cdefa7  main      -> origin/main
Successfully rebased and updated refs/heads/main.
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ |
```

```

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ 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% (2/2), done.
Writing objects: 100% (3/3), 336 bytes | 336.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To ssh://github.com/Shumaila12345/cc-lab3.git
    5cdefa7..412a562  main -> main
branch 'main' set up to track 'origin/main'.

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ |

```

Task 3:

```

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git commit -m "Added textfiles directory with three files"
[main 58a49ea] Added textfiles directory with three files
3 files changed, 3 insertions(+)
create mode 100644 textfiles/a.txt
create mode 100644 textfiles/b.txt
create mode 100644 textfiles/c.txt

```

```

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git push origin main
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (6/6), 477 bytes | 53.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To ssh://github.com/Shumaila12345/cc-lab3.git
    412a562..58a49ea  main -> main

```

```

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git commit -m "Added .gitignore to ignore textfiles directory"
[main de8b826] Added .gitignore to ignore textfiles directory
1 file changed, 1 insertion(+)
create mode 100644 .gitignore

```

```

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 367 bytes | 122.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To ssh://github.com/Shumaila12345/cc-lab3.git
    58a49ea..de8b826  main -> main

```

```

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ |

```

<> Code

Issues

Pull requests

Actions

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Settings

Files

main

Go to file

textfiles

a.txt

b.txt

c.txt

.gitignore

README.md

cc-lab3 / textfiles /

Shumaila12345 Added textfiles directory with three files

Name	Last commit message
..	
a.txt	Added textfiles directory with three files
b.txt	Added textfiles directory with three files
c.txt	Added textfiles directory with three files

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git add .
git commit -m "Removed tracked textfiles directory"
git push origin main
[main 6d657b1] Removed tracked textfiles directory
3 files changed, 3 deletions(-)
delete mode 100644 textfiles/a.txt
delete mode 100644 textfiles/b.txt
delete mode 100644 textfiles/c.txt
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 254 bytes | 254.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To ssh://github.com/Shumaila12345/cc-lab3.git
    de8b826..6d657b1  main -> main

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ |
```

Shumaila12345 / cc-lab3

<> Code

Issues

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Files

main

Go to file

.gitignore

README.md

cc-lab3 / README.md

Shumaila12345 Local conflicting change

PreviewCodeBlame12 lines (7 loc) · 195 Bytes

Shumaila062 hii

Task 4:

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git checkout -b feature-branch
Switched to a new branch 'feature-branch'

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (feature-branch)
$ git add README.md
git commit -m "Changes the README.md file"
[feature-branch 216e8ba] Changes the README.md file
1 file changed, 1 insertion(+)

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (feature-branch)
$ |
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (feature-branch)
$ git checkout main
error: Your local changes to the following files would be overwritten by checkout:
      README.md
Please commit your changes or stash them before you switch branches.
Aborting

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (feature-branch)
$ |
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (feature-branch)
$ git stash
Saved working directory and index state WIP on feature-branch: 216e8ba Changes the README.md file

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (feature-branch)
$ |
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (feature-branch)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ |
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 ((5cdefa7...))
$ git checkout main
Previous HEAD position was 5cdefa7 Update README.md
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ |
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (feature-branch)
$ git status
On branch feature-branch
nothing to commit, working tree clean

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (feature-branch)
$ |
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (feature-branch)
$ git stash pop
On branch feature-branch
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (c24b7d541147759978434815a6dbb47495b51c74)

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (feature-branch)
$ |
```

Task 5:

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (feature-branch)
$ git log --oneline
216e8ba (HEAD -> feature-branch) Changes the README.md file
6d657b1 (origin/main, main) Removed tracked textfiles directory
de8b826 Added .gitignore to ignore textfiles directory
58a49ea Added textfiles directory with three files
412a562 Local conflicting change
5cdefa7 Update README.md
1acccb3 Local rebase update
402e498 Update README.md
4276027 Merge branch 'main' of github.com:Shumaila12344/cc-lab3
42828cd Local update to README
3bc8583 Update README.md
192c69c Update README.md
a93e726 Update README.md
e0207d6 Initial commit

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (feature-branch)
$ |
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (feature-branch)
$ git checkout 5cdefa7
Note: switching to '5cdefa7'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

    git switch -c <new-branch-name>

Or undo this operation with:

    git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at 5cdefa7 Update README.md
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 ((5cdefa7...))
$ git checkout main
Previous HEAD position was 5cdefa7 Update README.md
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ |
```

Task 6:

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git add .
git commit -m "Added test line"
[main 7913326] Added test line
1 file changed, 1 insertion(+)

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ |
```



```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git add .
git commit -m "Second test commit"
[main 3b28b04] Second test commit
1 file changed, 2 insertions(+), 1 deletion(-)

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git log --oneline
3b28b04 (HEAD -> main) Second test commit
7913326 Added test line
6d657b1 (origin/main) Removed tracked textfiles directory
4e8b826 Added .gitignore to ignore textfiles directory
58a49ea Added textfiles directory with three files
12a562 Local conflicting change
0cdefa7 Update README.md
1acccb3 Local rebase update
02e498 Update README.md
1276027 Merge branch 'main' of github.com:Shumaila12344/cc-lab3
12828cd Local update to README
8bc8583 Update README.md
192c69c Update README.md
193e726 Update README.md
e0207d6 Initial commit

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$
```

```
C:\> Users > Samina > Downloads > cc-lab3 > ⓘ README.md
1  Shumaila062
2  hii
3
4  This line was updated remotely again.
5
6
7
8  Another line added remotely (for rebase test).
9
10 This line was updated locally at the same time.
11 (for rebase test).
12 (Local rebase update)
13 First test line for reset demo
14 Second test line for reset demo
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git reset --soft HEAD~1

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$
```

```
Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)
$ git log --oneline
7913326 (HEAD -> main) Added test line
6d657b1 (origin/main) Removed tracked textfiles directory
de8b826 Added .gitignore to ignore textfiles directory
58a49ea Added textfiles directory with three files
412a562 Local conflicting change
5cdefa7 Update README.md
1acccb3 Local rebase update
402e498 Update README.md
4276027 Merge branch 'main' of github.com:Shumaila12344/cc-lab3
42828cd Local update to README
3bc8583 Update README.md
192c69c Update README.md
a93e726 Update README.md
e0207d6 Initial commit
```

Shumaila062

hii

This line was updated remotely again.

Another line added remotely (for rebase test).

This line was updated locally at the same time.
(for rebase test).

(Local rebase update)

First test line for reset demo

Second test line for reset demo|

Shumaila062

hii

This line was updated remotely again.

Another line added remotely (for rebase test).

This line was updated locally at the same time.
(for rebase test).

(Local rebase update)

First test line for reset demo

1 file changed, 2 insertions(+), 1 deletion(-)

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)

\$ git reset --hard HEAD~1

HEAD is now at 7913326 Added test line

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)

\$

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)

\$ git log --oneline

7913326 (HEAD -> main) Added test line

6d657b1 (origin/main) Removed tracked textfiles directory

de8b826 Added .gitignore to ignore textfiles directory

58a49ea Added textfiles directory with three files

412a562 Local conflicting change

5cdefa7 Update README.md

1accb3 Local rebase update

402e498 Update README.md

4276027 Merge branch 'main' of github.com:Shumaila12344/cc-lab3

42828cd Local update to README

3bc8583 Update README.md

192c69c Update README.md

a93e726 Update README.md

e0207d6 Initial commit

Samina@DESKTOP-ETHF70B MINGW64 ~/Downloads/cc-lab3 (main)

\$

Shumaila062

hii

This line was updated remotely again.

Another line added remotely (for rebase test).

This line was updated locally at the same time.
(for rebase test).

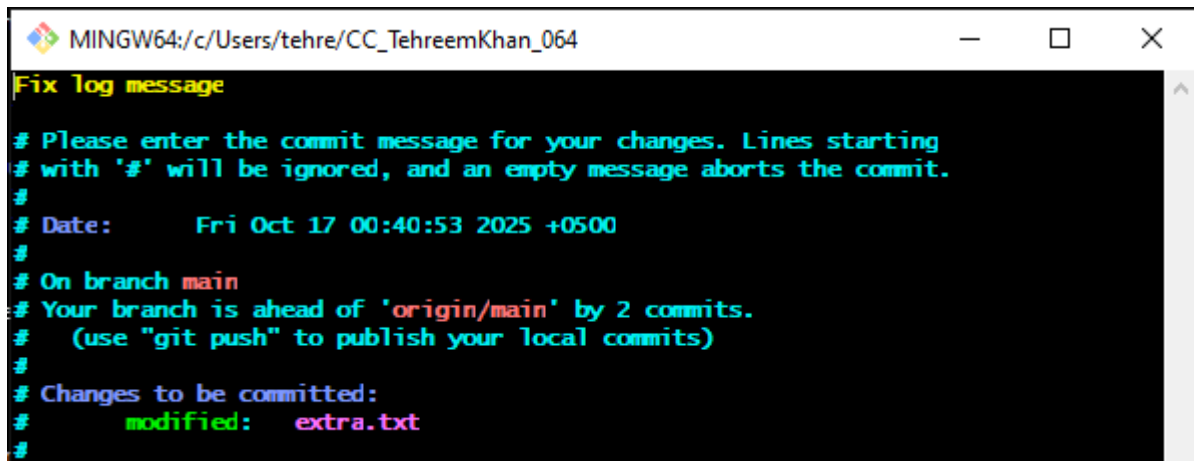
(Local rebase update)

First test line for reset demo|

Task 7:

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (main)
$ nano extra.txt

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (main)
$ git add .
git commit -m "Fix log message"
[main 486a45a] Fix log message
1 file changed, 1 insertion(+)
```



```
MINGW64:/c/Users/tehre/CC_TehreemKhan_064
Fix log message
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# Date:      Fri Oct 17 00:40:53 2025 +0500
#
# On branch main
# Your branch is ahead of 'origin/main' by 2 commits.
#   (use "git push" to publish your local commits)
#
# Changes to be committed:
#   modified:   extra.txt
#
```

Task 8:

```

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (main)
$ nano extra.txt

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (main)
$ git add .
git commit -m "Fix log message"
[main 486a45a] Fix log message
1 file changed, 1 insertion(+)

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (main)
$ git add .
git commit --amend
[main 0edbd9f] Fix log message
Date: Fri Oct 17 00:40:53 2025 +0500
1 file changed, 1 insertion(+)

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (main)
$ nano extra.txt

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (main)
$ git add .

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (main)
$ git commit -m "Added a word in text file"
[main 312a645] Added a word in text file
1 file changed, 1 insertion(+)
3

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (main)
$ git push origin main
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 4 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (9/9), 802 bytes | 267.00 KiB/s, done.
Total 9 (delta 6), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (6/6), completed with 2 local objects.
To https://github.com/tehreem-0514/CC_TehreemKhan_064.git
e6b8e40..312a645 main -> main

```

```

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (main)
$ git revert 312a645
[main 3f9e95d] Revert "Added a word in text file"
1 file changed, 1 deletion(-)

```

```

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (main)
$ git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 323 bytes | 323.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/tehreem-0514/CC_TehreemKhan_064.git
312a645..3f9e95d main -> main

```

Task 9:

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (main)
$ git checkout -b test-force
Switched to a new branch 'test-force'
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (test-force)
$ nano extra.txt
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (test-force)
$ git add .
git commit -m "Test commit for force push"
[test-force 52b232f] Test commit for force push
1 file changed, 1 insertion(+)
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (test-force)
$ git push origin test-force
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 303 bytes | 303.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
remote:
remote: Create a pull request for 'test-force' on GitHub by visiting:
remote:   https://github.com/tehreem-0514/CC_TehreemKhan_064/pull/new/
test-force
remote:
To https://github.com/tehreem-0514/CC_TehreemKhan_064.git
 * [new branch]      test-force -> test-force
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (test-force)
$ git reset --hard HEAD~1
HEAD is now at 3f9e95d Revert "Added a word in text file"
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (test-force)
$ git push origin test-force
To https://github.com/tehreem-0514/CC_TehreemKhan_064.git
! [rejected]        test-force -> test-force (non-fast-forward)
error: failed to push some refs to 'https://github.com/tehreem-0514/CC_Te
hreemKhan_064.git'
hint: Updates were rejected because the tip of your current branch is beh
ind
hint: its remote counterpart. If you want to integrate the remote changes
,
hint: use 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details
.
```

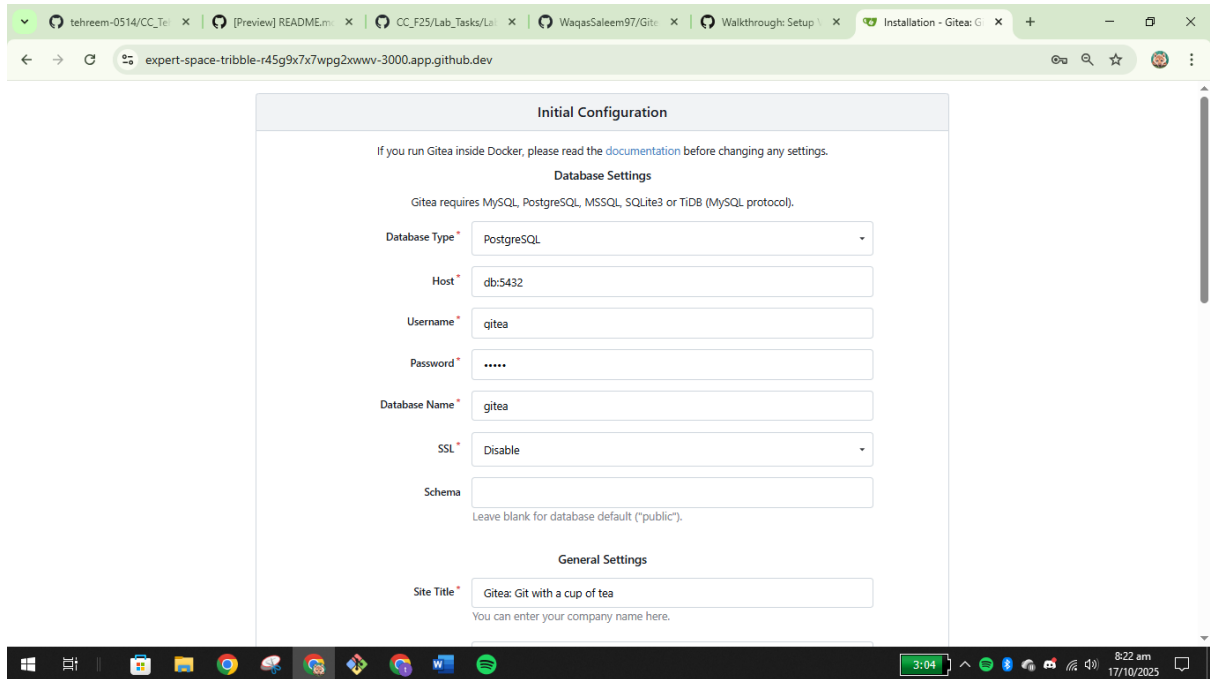
```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_TehreemKhan_064 (test-force)
$ git push origin test-force --force
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/tehreem-0514/CC_TehreemKhan_064.git
+ 52b232f...3f9e95d test-force -> test-force (forced update)
```

Task 10:

The image shows a Gitea repository interface and a VS Code CodeSpaces environment. The Gitea repository is for a user named WaqasSaleem97, showing a public repository named 'Gitea'. The repository has 1 branch (main), 0 tags, and 2 commits. The commit history shows a commit by WaqasSaleem97 titled 'giving the names to databases' 2 weeks ago. The repository is being viewed in a browser window with the URL `expert-space-tribble-r45g9x7x7wpg2xwww.githubub.dev`.

The VS Code CodeSpaces environment is open, showing the 'Get Started with VS Code for the Web' walkthrough. The terminal output shows the command `docker compose up -d` being executed, which is pulling Docker images for the application. The terminal output is as follows:


```
@tehreem-0514 →/workspaces/Gitea (main) $ docker compose up -d
[+] Running 5/19
[+] Running 5/19 ] Pulling      7.3s
[+] Running 6/19 ] Pulling      7.4s
[+] Running 6/19 ] Pulling      7.5s
[+] Running 6/19 ] Pulling      7.6s
[+] Running 6/19 ] Pulling      7.7s
[+] Running 6/19 ] Pulling      7.8s
[+] Running 6/19 ] Pulling      7.9s
[+] Running 6/19 ] Pulling      8.1s
[+] Running 7/19 ] Pulling      8.1s
[+] Running 7/19 ] Pulling      8.2s
[+] Running 8/19 ] Pulling      8.3s
[+] Running 8/19 ] Pulling      8.4s
[+] Running 8/19 ] Pulling      8.5s
[+] Running 8/19 ] Pulling      8.6s
[+] Running 8/19 ] Pulling      8.7s
[+] Running 8/19 ] Pulling      8.8s
[+] Running 8/19 ] Pulling      8.9s
[+] Running 9/19 ] Pulling      9.0s
[+] Running 9/19 ] Pulling      9.1s
[+] Running 10/19] Pulling      9.2s
```



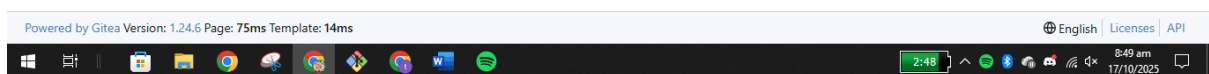
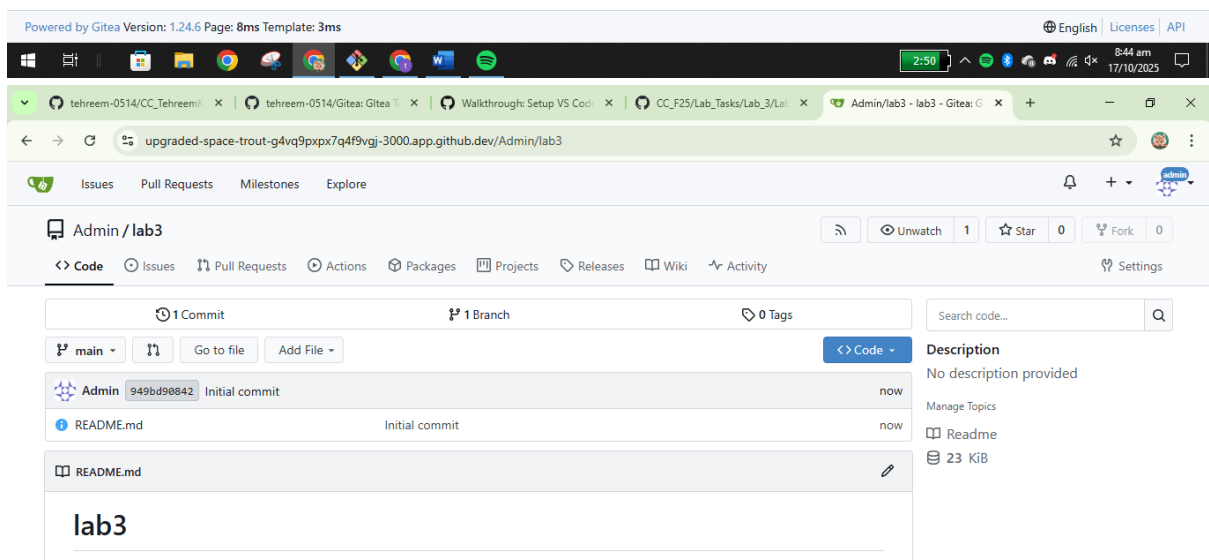
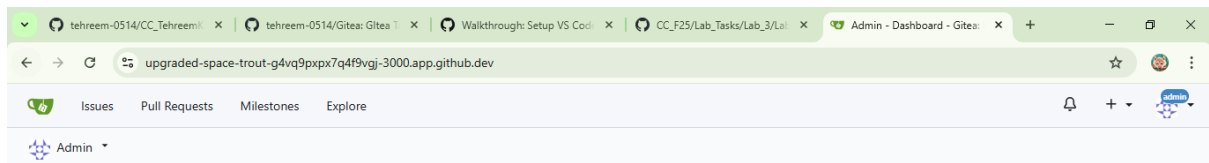
▼ Administrator Account Settings

Creating an administrator account is optional. The first registered user will automatically become an administrator.

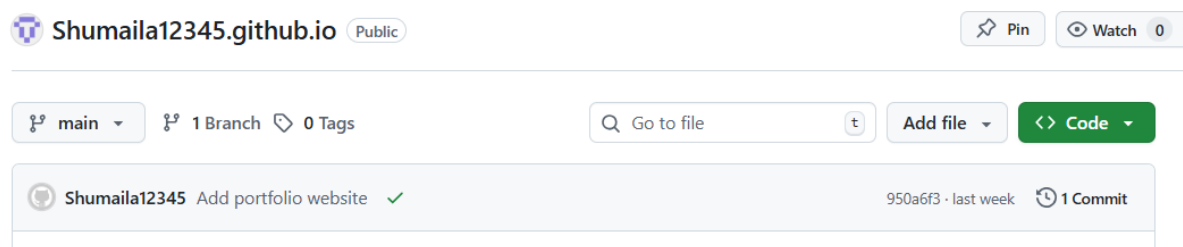
Administrator Username	<input type="text" value="Admin"/>
Email Address	<input type="text" value="23-22411-064@se.fjwu.edu.pk"/>
Password	<input type="password" value="....."/>
Confirm Password	<input type="password" value="....."/>

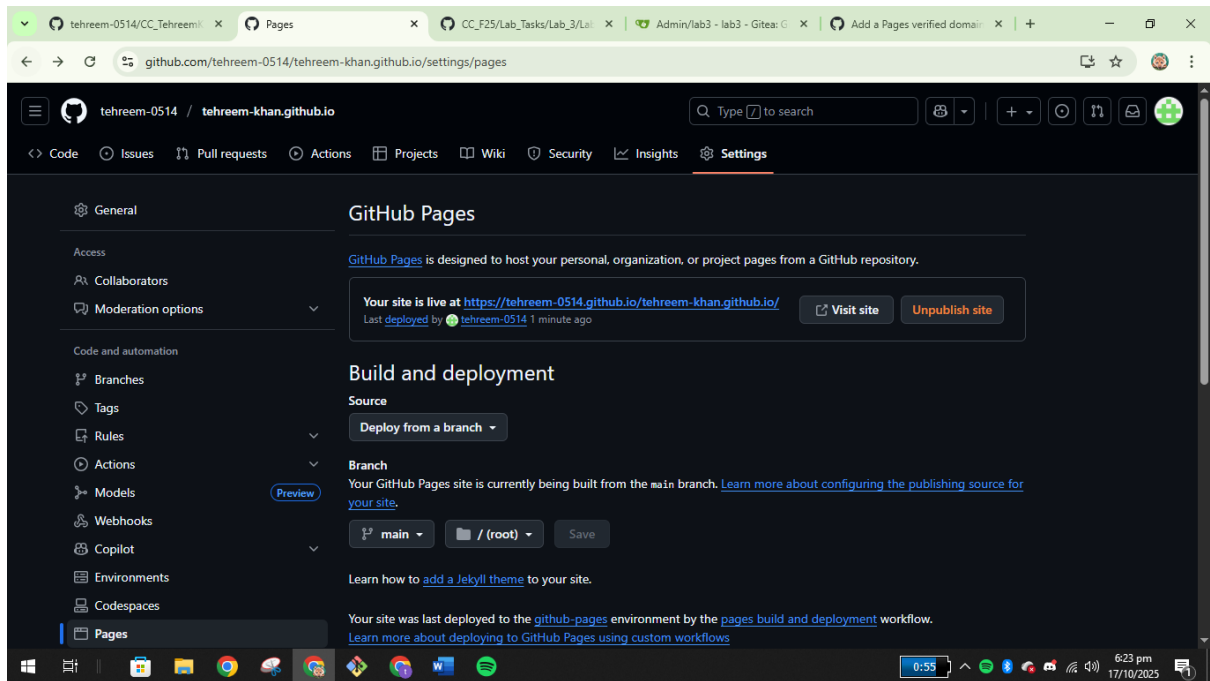
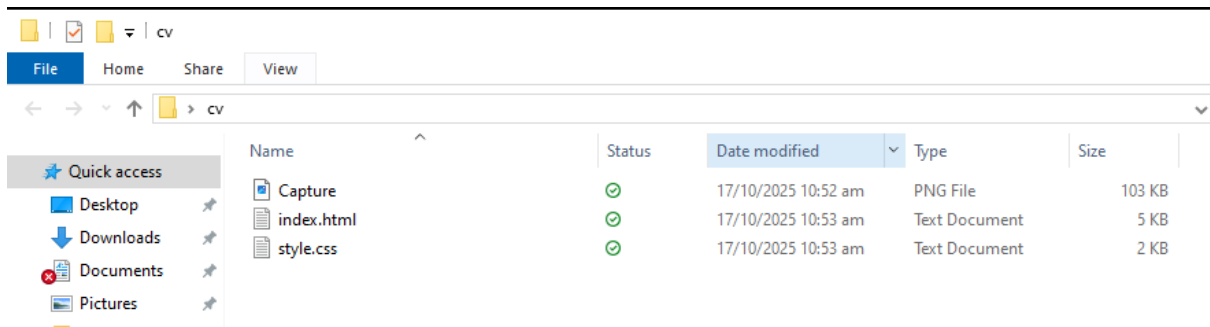
These configuration options will be written into: `/data/gitea/conf/app.ini` 

[Install Gitea](#)



Task 11:







Shumaila Munsib

Roll No: 2023-BSE-062

Email: 23-22411-062@se.fjwu.edu.pk@gmail.com@example.com

About Me

I am a Software Engineering student passionate about software development, databases, and web technologies.

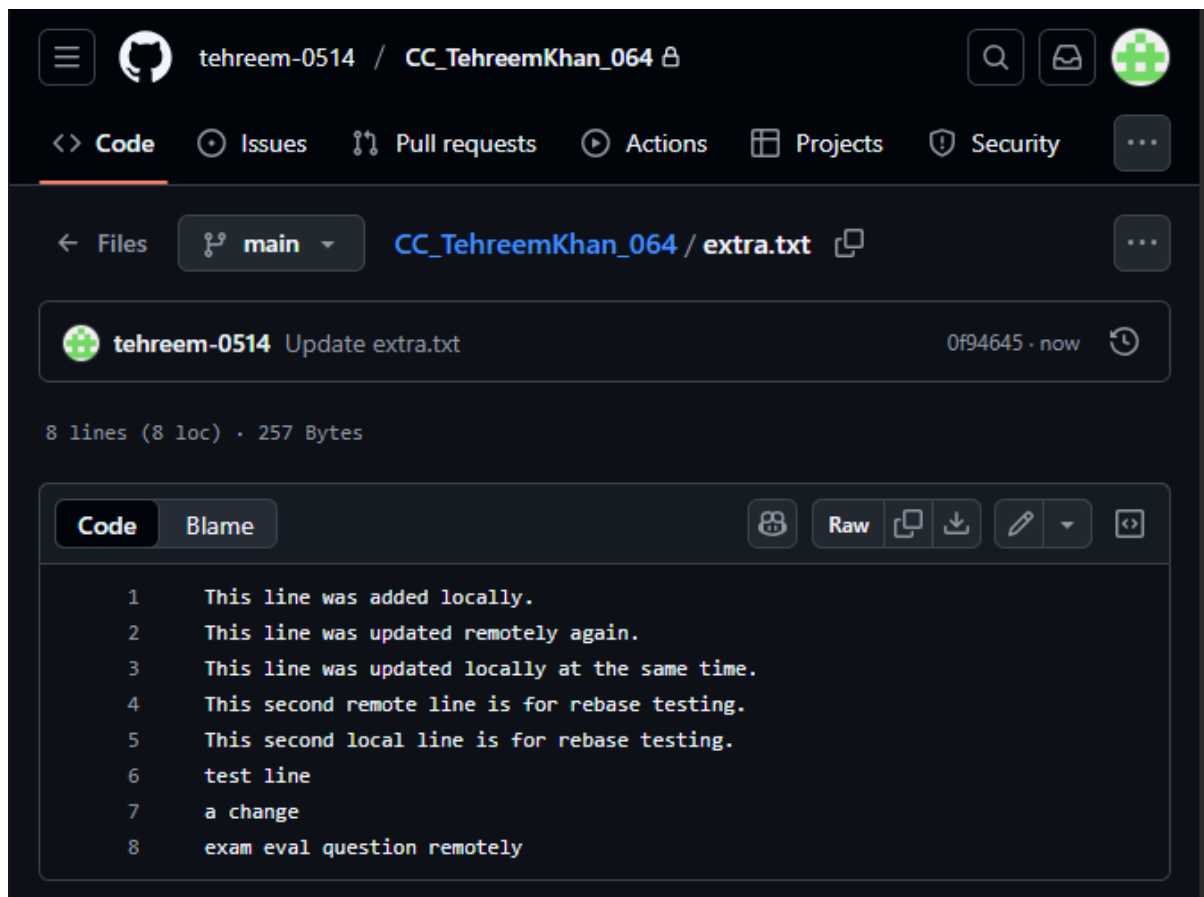
Skills

- C++ / OOP
- SQL Server
- React Native
- Git & GitHub

projects

- University Management System
- Online Food Ordering System
- Smart Traffic Management System (Cisco Packet Tracer)

Exam Evaluation Questions:



```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (test-force)
$ nano extra.txt

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (test-force)
$ git add .

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (test-force)
$ git commit -m "new line added for eval question"
[test-force d4b066b] new line added for eval question
1 file changed, 1 insertion(+)

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (test-force)
$ |
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git push
To https://github.com/tehreem-0514/CC_TehreemKhan_064.git
 ! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/tehreem-0514/CC_TehreemKhan_064.git'
hint: Updates were rejected because the remote contains work that you do
not
hint: have locally. This is usually caused by another repository pushing
to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details
.
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 959 bytes | 63.00 KiB/s, done.
From https://github.com/tehreem-0514/CC_TehreemKhan_064
   3f9e95d..0f94645  main       -> origin/main
Updating 3f9e95d..0f94645
Fast-forward
 extra.txt | 1 +
 1 file changed, 1 insertion(+)
```

```
hint: "git add/rm <conflicted_files>", then run "git rebase --continue".
hint: You can instead skip this commit: run "git rebase --skip".
hint: To abort and get back to the state before "git rebase", run "git re
base --abort".
hint: Disable this message with "git config set advice.mergeConflict fals
e"
Could not apply 5ebf821... # new line eam questions
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main|REBASE 1/1)
$ nano extra.txt
```

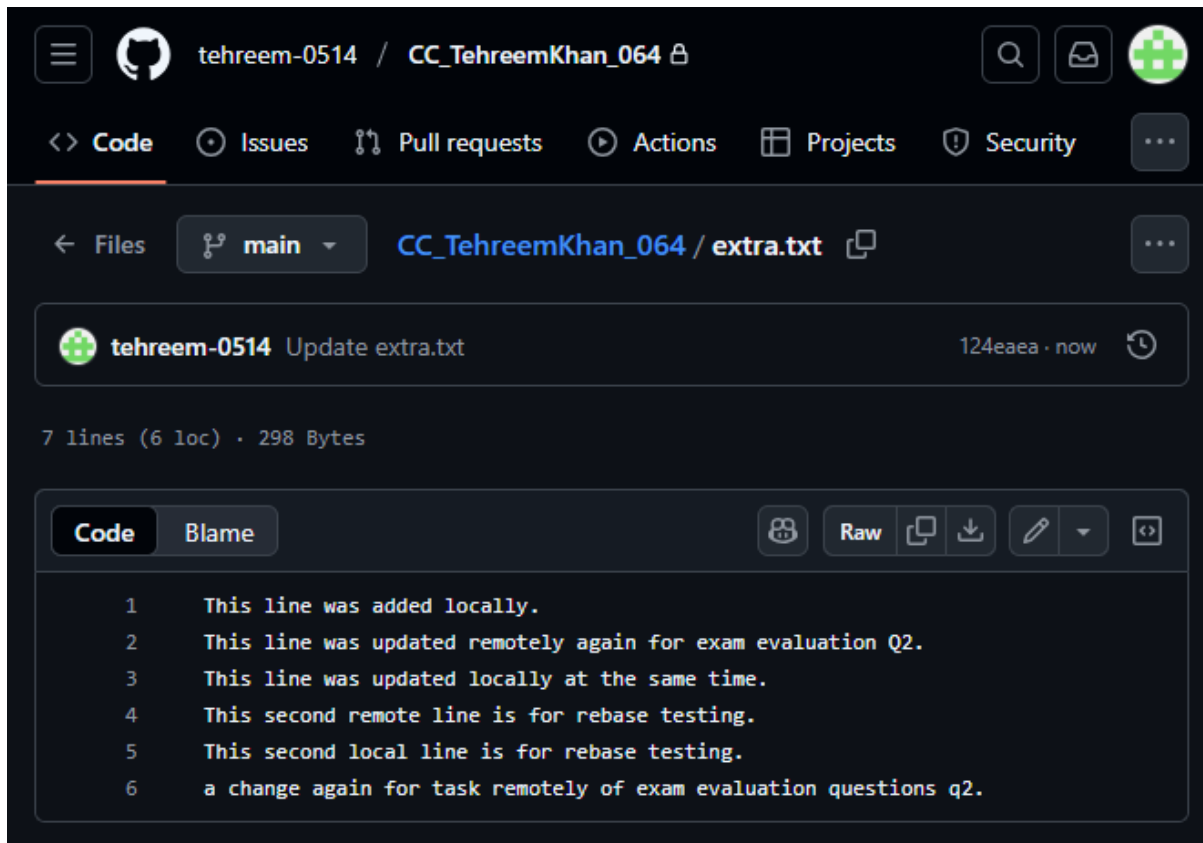
```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main|REBASE 1/1)
$ git add .
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main|REBASE 1/1)
$ git rebase --continue
[detached HEAD ac71afd] new line eam questions
 1 file changed, 2 insertions(+)
Successfully rebased and updated refs/heads/main.
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 341 bytes | 341.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/tehreem-0514/CC_TehreemKhan_064.git
   3b16f2c..ac71afd  main -> main
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ |
```

Question 2:



The screenshot shows the GitHub web interface for a repository named 'CC_TehreemKhan_064' by user 'tehreem-0514'. The file 'extra.txt' is selected, showing its commit history and content. The commit '124eaea' is the latest, made 'now'. The file content is as follows:

```
1 This line was added locally.
2 This line was updated remotely again for exam evaluation Q2.
3 This line was updated locally at the same time.
4 This second remote line is for rebase testing.
5 This second local line is for rebase testing.
6 a change again for task remotely of exam evaluation questions q2.
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ nano extra.txt
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git add .
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git commit -m "Local conflicting change"
[main 4b77e9a] Local conflicting change
1 file changed, 1 insertion(+), 2 deletions(-)
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git push
To https://github.com/tehreem-0514/CC_TehreemKhan_064.git
! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/tehreem-0514/CC_TehreemKhan_064.git'
hint: Updates were rejected because the remote contains work that you
do not
hint: have locally. This is usually caused by another repository pushing to
the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

```

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git pull --rebase
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 935 bytes | 42.00 KiB/s, done.
From https://github.com/tehreem-0514/CC_TehreemKhan_064
 8672435..124eaea  main      -> origin/main
Auto-merging extra.txt
CONFLICT (content): Merge conflict in extra.txt
error: could not apply 4b77e9a... Local conflicting change
hint: Resolve all conflicts manually, mark them as resolved with
hint: "git add/rm <conflicted_files>", then run "git rebase --continue".
hint: You can instead skip this commit: run "git rebase --skip".
hint: To abort and get back to the state before "git rebase", run "git rebase --abort".
hint: Disable this message with "git config set advice.mergeConflict false"
Could not apply 4b77e9a... # Local conflicting change

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main|REBASE 1/1)
$ |

```

MINGW64/c/Users/tehre/CC_Tehreemkhan_064

```

GNU nano 8.6                                extra.txt
This line was added locally.
This line was updated remotely again for exam evaluation Q2.
This line was updated locally at the same time.
This second remote line is for rebase testing.
This second local line is for rebase testing.
a change again for task remotely of exam evaluation questions q2 and this is added locally

```

```

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main|REBASE 1/1)
$ git add extra.txt

```

```

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main|REBASE 1/1)
$ git rebase --continue
[detached HEAD e4c5d7c] Local conflicting change
 1 file changed, 1 insertion(+), 2 deletions(-)
Successfully rebased and updated refs/heads/main.

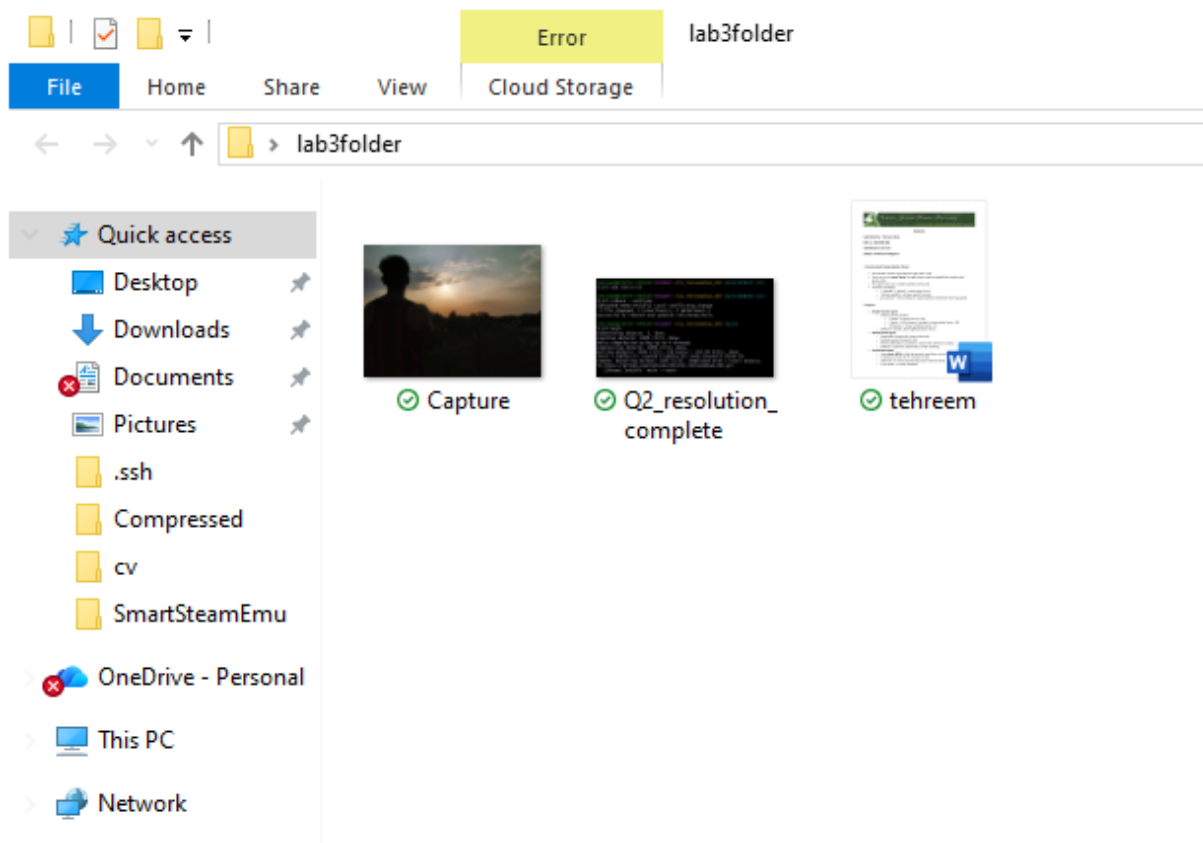
```

```

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 328 bytes | 164.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/tehreem-0514/CC_TehreemKhan_064.git
 124eaea..e4c5d7c  main -> main

```

Question 3:



```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ cp -r "/c/Users/tehre/OneDrive/Desktop/lab3folder" lab3ignore

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git add lab3ignore

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git commit -m "Add lab3ignore folder"
gi[main 0186a94] Add lab3ignore folder
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 lab3ignore/Capture.PNG
 create mode 100644 lab3ignore/Q2_resolution_complete.PNG
 create mode 100644 lab3ignore/tehreem.docx
t
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 617.61 KiB | 9.22 MiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/tehreem-0514/CC_TehreemKhan_064.git
 e4c5d7c..0186a94  main -> main

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ echo "lab3ignore/" >> .gitignore
```



```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git add lab3ignore

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git commit -m "Add lab3ignore folder"
gi[main 0186a94] Add lab3ignore folder
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 lab3ignore/Capture.PNG
create mode 100644 lab3ignore/Q2_resolution_complete.PNG
create mode 100644 lab3ignore/tehreem.docx
t
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 617.61 KiB | 9.22 MiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/tehreem-0514/CC_TehreemKhan_064.git
e4c5d7c..0186a94 main -> main
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git rm -r --cached lab3ignore
rm 'lab3ignore/Capture.PNG'
rm 'lab3ignore/Q2_resolution_complete.PNG'
rm 'lab3ignore/tehreem.docx'
```

tehreem-0514 / CC_TehreemKhan_064

<> Code Issues Pull requests Actions Projects Security

0 stars 0 forks 0 watching 2 Branches 0 Tags Activity

Private repository

main Go to file + <> Code

Tehreemkhan-0514 Stop tracking lab3ignore folder 131f608 · 31 minutes ago

Assignment1	Added ccword.docx to Assignment...	3 days ago
LAB1	Moved Readme.md in LAB1	last week
LAB2	Merge branch 'main' of https://git...	last week
.gitattributes	Saved local updates before pull	3 days ago
.gitignore	Stop tracking lab3ignore folder	31 minutes ago
README.md	Readme problem resolved	2 days ago
extra.txt	Local conflicting change	43 minutes ago

Question 4:

```
MINGW64:/c/Users/tehre/CC_Tehreemkhan_064

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ nano extra.txt

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git add .

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git commit -m "First commit for Q4"
[main cb5be7b] First commit for Q4
1 file changed, 1 insertion(+), 6 deletions(-)

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ nano extra.txt

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git add .

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git commit -m "second commit for Q4"
[main 2015496] second commit for Q4
1 file changed, 1 insertion(+)
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git log --oneline
2015496 (HEAD -> main) second commit for Q4
cb5be7b First commit for Q4
131f608 (origin/main, origin/HEAD) Stop tracking lab3ignore folder
0186a94 Add lab3ignore folder
e4c5d7c Local conflicting change
124eaea Update extra.txt
8672435 Update extra.txt
544a59d Update extra.txt
ac71afd new line eam questions
3b16f2c Update extra.txt
0f94645 Update extra.txt
3f9e95d (origin/test-force) Revert "Added a word in text file"
312a645 Added a word in text file
0edbdf9 Fix log message
95cb935 Added test line
e6b8e40 Ignore textfiles directory
482b8ec Remove textfiles directory from tracking
4b47d94 Added textfiles directory with three files
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git reset --soft HEAD~1

Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git status
git log --oneline
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   extra.txt

cb5be7b (HEAD -> main) First commit for Q4
131f608 (origin/main, origin/HEAD) Stop tracking lab3ignore folder
0186a94 Add lab3ignore folder
e4c5d7c Local conflicting change
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git commit -m "Third commit after soft reset"
[main c887952] Third commit after soft reset
1 file changed, 1 insertion(+)
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git reset --hard HEAD~1
HEAD is now at cb5be7b First commit for Q4
```

```
Tehreem@DESKTOP-JJM0VA9 MINGW64 ~/CC_Tehreemkhan_064 (main)
$ git status
git log --oneline
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
cb5be7b (HEAD -> main) First commit for Q4
131f608 (origin/main, origin/HEAD) stop tracking lab3ignore folder
0186a94 Add lab3ignore folder
```