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Reg.no: 2023-BSE-040

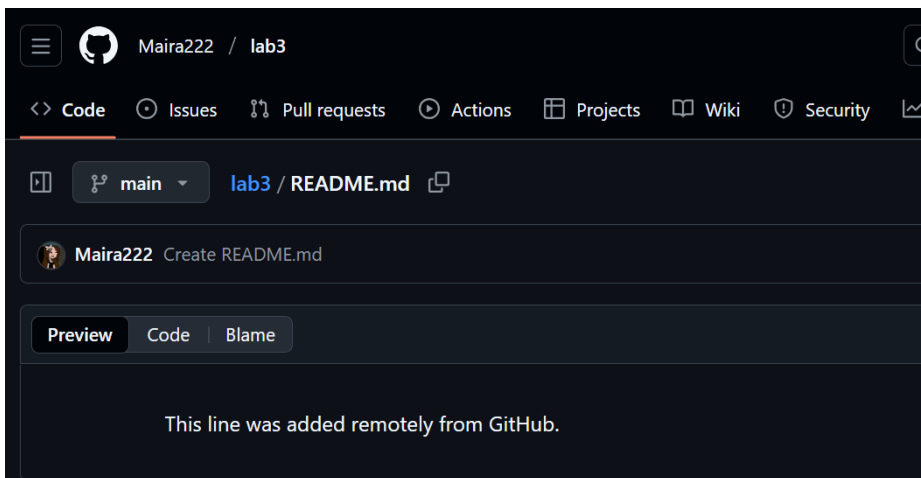
Subject: Cloud Computing

## LAB # 3

### Task 1:

Handling Local and Remote Commit Conflicts (Pull vs Pull --rebase)

1.



2.

```
BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ touch README.md

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ cat README.md

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ nano README.md

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ cat README.md
this line was added locally

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ git add README.md
warning: in the working copy of 'README.md', LF will be re
t time Git touches it

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ git add .

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ git commit -m "Local update to readme"
[main 354ca58] Local update to readme
```

3.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git push origin main
To github.com:Maira222/lab3.git
 ! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'github.com:Maira222/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.

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$
```

4.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git pull --no-rebase origin main
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 925 bytes | 42.00 KiB/s, done.
From github.com:Maira222/lab3
 * branch            main      -> FETCH_HEAD
   354ca58..340fa43  main      -> origin/main
Updating 354ca58..340fa43
Fast-forward
 README.md | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)
```

5.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git push -u origin main
branch 'main' set up to track 'origin/main'.
Everything up-to-date
```

6.

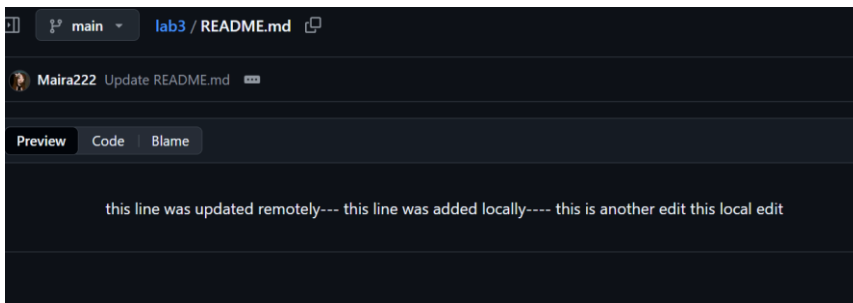
```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git pull --rebase origin main
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (6/6), 1.84 KiB | 24.00 KiB/s, done.
From github.com:Maira222/lab3
 * branch            main      -> FETCH_HEAD
   7e9c0c7..95ef458  main      -> origin/main
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
error: could not apply cffbf2f... edit
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 cffbf2f... # edit
```

7.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git push -u origin main
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 553 bytes | 79.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To github.com:Maira222/lab3.git
   95ef458..3fe0eb4  main -> main
branch 'main' set up to track 'origin/main'.
```

## Task 2: Creating and Resolving Merge Conflicts Manually

1.



2.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ cat README.md

this line was updated locally at the same time
this line was added locally----
this is another edit
this local edit
```

3.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git add README.md

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git commit -m "local conflicting edit"
[main 43549e1] local conflicting edit
1 file changed, 1 insertion(+), 1 deletion(-)
```

4.

```
BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ git push -u origin main
To github.com:Maira222/lab3.git
! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'github.com:Maira222/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.
```

5.

```
BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ git pull --rebase origin main
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (6/6), 1.89 KiB | 25.00 KiB/s, done.
From github.com:Maira222/lab3
* branch                main      -> FETCH_HEAD
   3fe0eb4..614226c      main      -> origin/main
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
error: could not apply 43549e1... local conflicting edit
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 --ab
rt"
hint: Disable this message with "git config set advice.mergeConflict false"
Could not apply 43549e1... # local conflicting edit
```

6.

```
BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main|REBASE 1/1)
$ nano README.md

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main|REBASE 1/1)
$ git add README.md

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main|REBASE 1/1)
$ git commit -m "mmm"
[detached HEAD 73d7997] mmm
1 file changed, 3 insertions(+), 1 deletion(-)

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main|REBASE 1/1)
$ git rebase --continue
Successfully rebased and updated refs/heads/main.

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
```

7.

```
BOSS@DESKTOP-7K1JVGS MINGW64 ~/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), 305 bytes | 76.00 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 github.com:Maira222/lab3.git
   614226c..73d7997  main -> main
!branch 'main' set up to track 'origin/main'.
```

### Task 3: Managing Ignored Files with .gitignore and Removing Tracked Files

1.

```
BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ mkdir textfiles

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ echo "File A content" > textfiles/a.txt

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ echo "File B content" > textfiles/b.txt

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ echo "File C content" > textfiles/c.txt

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ git add .
warning: in the working copy of 'textfiles/a.txt', LF will be replaced by CRLF the
next time Git touches it
warning: in the working copy of 'textfiles/b.txt', LF will be replaced by CRLF the
next time Git touches it
warning: in the working copy of 'textfiles/c.txt', LF will be replaced by CRLF the
next time Git touches it

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ git commit -m "added fils to directory with 3 files"
[main 43ce678] added fils to directory with 3 files
 3 files changed, 3 insertions(+)
 create mode 100644 textfiles/a.txt
 create mode 100644 textfiles/b.txt
 create mode 100644 textfiles/c.txt

BOSS@DESKTOP-7K1JVGS MINGW64 ~/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), 461 bytes | 57.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:Maira222/lab3.git
 73d7997..43ce678  main -> main
```

2.

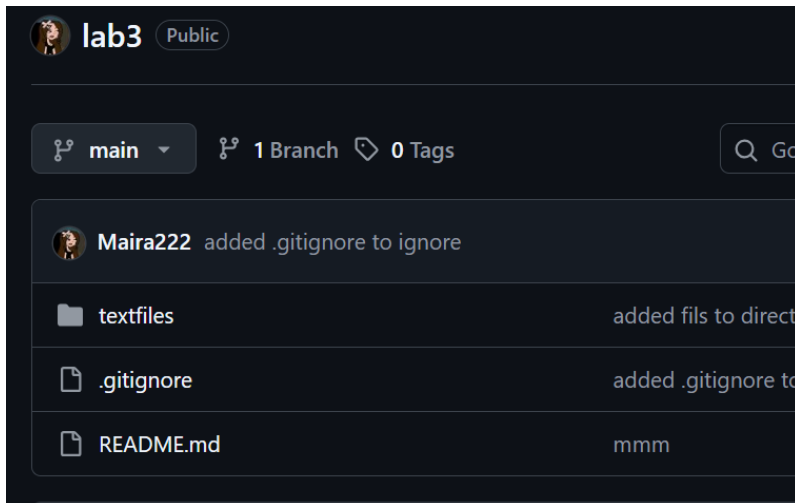
```
BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ echo "textfiles/*" > .gitignore

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ git add .gitignore
warning: in the working copy of '.gitignore', LF will be rep
laced by CRLF the next time Git touches it

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ git commit -m "added .gitignore to ignore"
[main 71af1af] added .gitignore to ignore
 1 file changed, 1 insertion(+)
 create mode 100644 .gitignore

BOSS@DESKTOP-7K1JVGS MINGW64 ~/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), 343 bytes | 85.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:Maira222/lab3.git
 43ce678..71af1af  main -> main
```

3.



4.

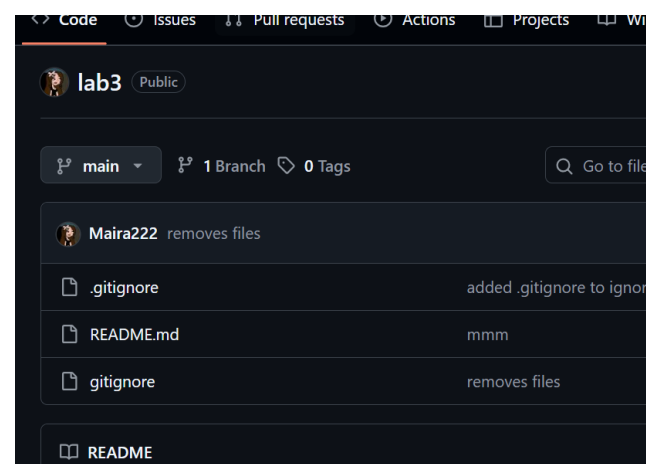
```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git rm -r --cached textfiles
rm 'textfiles/a.txt'
rm 'textfiles/b.txt'
rm 'textfiles/c.txt'

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git add .
warning: in the working copy of 'gitignore', LF will be replaced
by CRLF the next time Git touches it

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git commit -m "removes files"
[main f3a5f6c] removes files
4 files changed, 1 insertion(+), 3 deletions(-)
create mode 100644 gitignore
delete mode 100644 textfiles/a.txt
delete mode 100644 textfiles/b.txt
delete mode 100644 textfiles/c.txt

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git push origin main
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), 238 bytes | 79.00 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 github.com:Maira222/lab3.git
71af1af..f3a5f6c main -> main
```

5.



## Task 4: Create Temporary Changes and Use git stash

1.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (feature-branch)
$ nano README.md

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (feature-branch)
$ git add README.md

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (feature-branch)
$ git commit -m "Changes The README.md file"
[feature-branch 7628f1a] Changes The README.md file
1 file changed, 1 insertion(+), 1 deletion(-)
```

2.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git checkout feature-branch
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
```

3.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git stash
warning: in the working copy of 'README.md', LF will be replaced
by CRLF the next time Git touches it
Saved working directory and index state WIP on main: f3a5f6c removes files

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git checkout feature-branch
Switched to branch 'feature-branch'
```

4.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git checkout feature-branch
Switched to branch 'feature-branch'
```

5.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 ((4c8c07c...))
$ git checkout main
Previous HEAD position was 4c8c07c last commit
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ |
```

6.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (feature-branch)
$ git status
On branch feature-branch
nothing to commit, working tree clean
```

7.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (feature-branch)
$ git stash pop
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
On branch feature-branch
Unmerged paths:
  (use "git restore --staged <file>..." to unstage)
  (use "git add <file>..." to mark resolution)
        both modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
The stash entry is kept in case you need it again.
```

## Task 5: Checkout a Specific Commit Using git log

1.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (feature-branch)
$ git log --oneline
7628f1a (HEAD -> feature-branch) Changes The README.md file
f3a5f6c (origin/main, origin/HEAD, main) removes files
71af1af added .gitignore to ignore
43ce678 added files to directory with 3 files
73d7997 mmm
614226c Update README.md
800f993 Update README.md
13fe0eb4 eee
1399e92 ledit
95ef458 Update README.md
f03e5fb Update README.md
7e9c0c7 local
340fa43 Update README.md
354ca58 Local update to readme
14ca8a4 Create README.md
```

2.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (feature-branch)
$ git checkout 4c8c07c
Note: switching to '4c8c07c'.

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 4c8c07c last commit
```



3.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 ((4c8c07c...))
$ git checkout main
Previous HEAD position was 4c8c07c last commit
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ |
```

## Task 6: Resetting Commits (Soft vs Hard Reset) (With Verification Steps)

1.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ nano README.md

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git add .

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git commit -m "Added test line"
[main 4639c5a] Added test line
1 file changed, 1 insertion(+)
```

2.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git log --oneline
f20c6ba (HEAD -> main) second test commit
4639c5a Added test line
f3a5f6c (origin/main, origin/HEAD) removes files
71af1af added .gitignore to ignore
43ce678 added files to directory with 3 files
73d7997 mmm
614226c Update README.md
800f993 Update README.md
3fe0eb4 eee
1399e92 ledit
95ef458 Update README.md
f03e5fb Update README.md
7e9c0c7 local
340fa43 Update README.md
354ca58 Local update to readme
14ca8a4 Create README.md
```

3.

```
MINGW64: c:/Users/BOSS/lab3
GNU nano 8.5 README.md
this line was updated remotely---this line was updated locally at the same
this line was added locally---
this is another edit
this local edit
heyy this is me
Maira malik
```

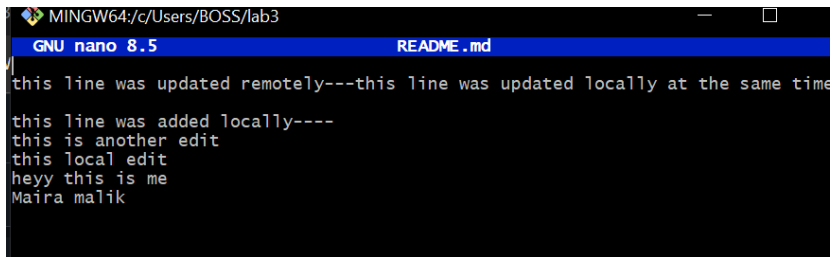
4.

```
BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ git reset --soft HEAD~1
```

5.

```
BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ git log --oneline
4639c5a (HEAD -> main) Added test line
f3a5f6c (origin/main, origin/HEAD) removes files
71af1af added .gitignore to ignore
43ce678 added files to directory with 3 files
73d7997 mmm
614226c Update README.md
800f993 Update README.md
8fe0eb4 eee
1399e92 ledit
95ef458 Update README.md
f03e5fb Update README.md
7e9c0c7 local
840fa43 Update README.md
854ca58 Local update to readme
14ca8a4 Create README.md
```

6.



```
MINGW64:/c/Users/BOSS/lab3
GNU nano 8.5 README.md
this line was updated remotely---this line was updated locally at the same time
this line was added locally---
this is another edit
this local edit
hey this is me
Maira malik
```

7.

```
BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ git status
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:   README.md

BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ git commit -m "Second Test commit"
[main 6688456] Second Test commit
 1 file changed, 1 insertion(+), 1 deletion(-)
```

8.

```
BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
$ git reset --hard HEAD~1
HEAD is now at 4639c5a Added test line
BOSS@DESKTOP-7K1JVGS MINGW64 ~/lab3 (main)
```

9.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git log --oneline
4639c5a (HEAD -> main) Added test line
f3a5f6c (origin/main, origin/HEAD) removes files
71af1af added .gitignore to ignore
43ce678 added files to directory with 3 files
73d7997 mmm
614226c Update README.md
800f993 Update README.md
3fe0eb4 eee
1399e92 ledit
95ef458 Update README.md
f03e5fb Update README.md
7e9c0c7 local
340fa43 Update README.md
354ca58 Local update to readme
14ca8a4 Create README.md
```

10.

```
GNU nano 8.5 README.md
1
this line was updated remotely---this line was updated locally at
this line was added locally----
this is another edit
this local edit
heyy this is me
```

## Task 7: Amending the Last Commit

1.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ echo "temporary text" >>temp.txt

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git add .
warning: in the working copy of 'temp.txt', LF will be replaced by CRLF
time Git touches it

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git commit -m "Added temp text file"
[main 4c6698e] Added temp text file
1 file changed, 1 insertion(+)
create mode 100644 temp.txt

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git push origin main
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 8 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (9/9), 872 bytes | 79.00 KiB/s, done.
Total 9 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (3/3), completed with 1 local object.
To github.com:Maira222/lab3.git
f3a5f6c..4c6698e main -> main
```

2.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git log --oneline
4c6698e (HEAD -> main, origin/main, origin/HEAD) Added temp text file
fa21a8b fix log msg
4639c5a Added test line
f3a5f6c removes files
71af1af added .gitignore to ignore
43ce678 added files to directory with 3 files
73d7997 mmm
614226c Update README.md
800f993 Update README.md
3fe0eb4 eee
1399e92 ledit
95ef458 Update README.md
f03e5fb Update README.md
7e9c0c7 local
340fa43 Update README.md
354ca58 Local update to readme
14ca8a4 Create README.md

BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git revert 4c6698e
[main 5bb4583] Revert "Added temp text file"
1 file changed, 1 deletion(-)
delete mode 100644 temp.txt
```

3.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git push origin main
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), 262 bytes | 87.00 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 github.com:Maira222/lab3.git
4c6698e..5bb4583 main -> main
```

## Task 8: Force Push (With Caution)

1.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (main)
$ git checkout -b test-force
Switched to a new branch 'test-force'
```

2.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (test-force)
$ git push origin test-force
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'test-force' on GitHub by visiting:
remote:   https://github.com/Maira222/lab3/pull/new/test-force
remote:
To github.com:Maira222/lab3.git
* [new branch]      test-force -> test-force
```

3.

```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (test-force)
$ git reset --hard HEAD~1
HEAD is now at 4c6698e Added temp text file
```

4.

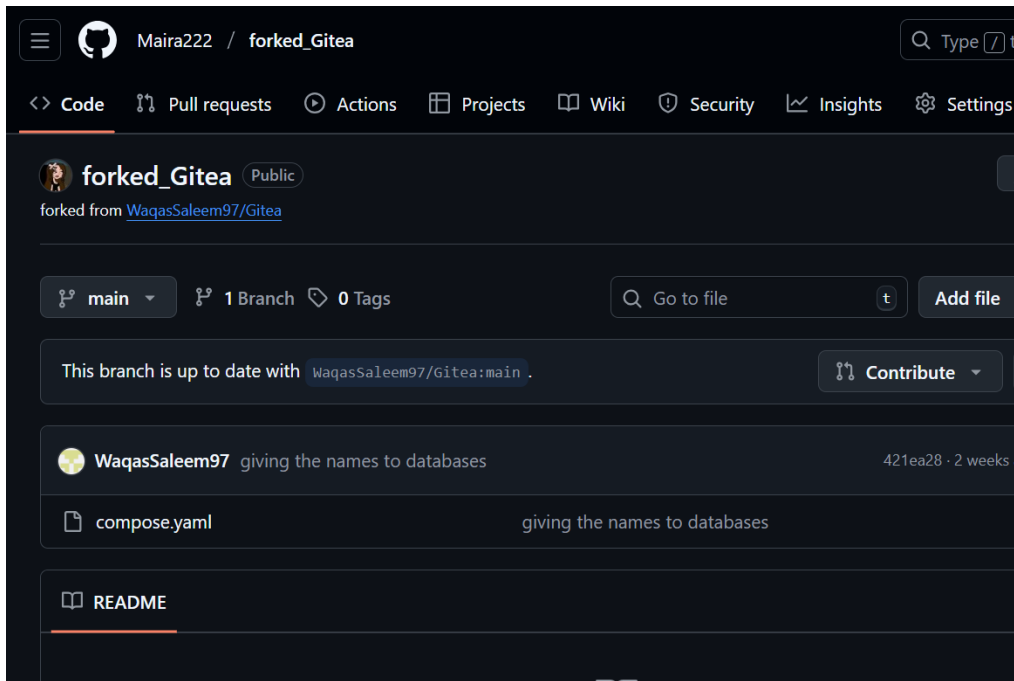
```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (test-force)
$ git push origin test-force
To github.com:Maira222/lab3.git
! [rejected]        test-force -> test-force (non-fast-forward)
error: failed to push some refs to 'github.com:Maira222/lab3.git'
hint: Updates were rejected because the tip of your current branch is behind
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.
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (test-force)
```

5.

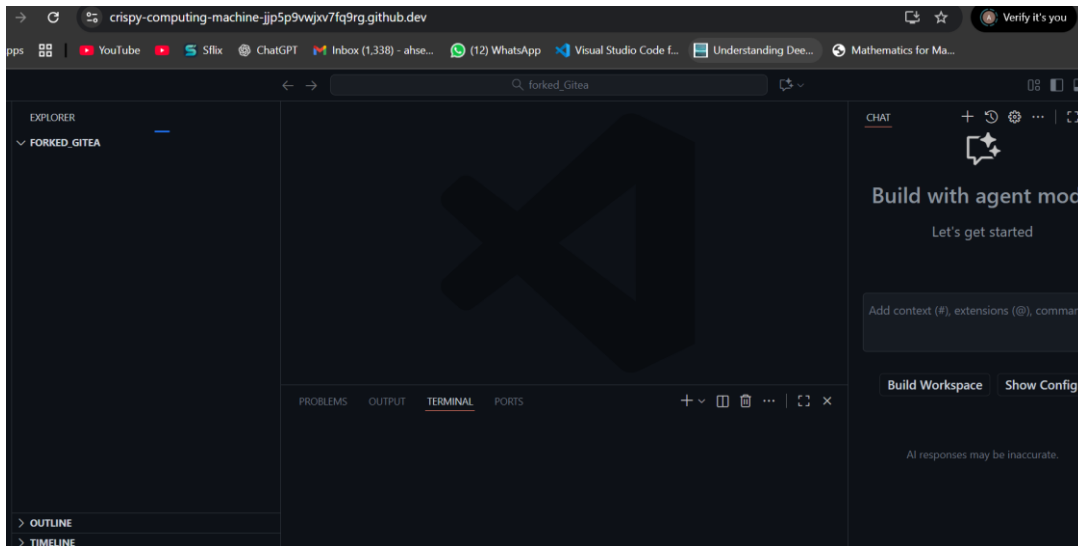
```
BOSS@DESKTOP-7K1JVG5 MINGW64 ~/lab3 (test-force)
$ git push origin test-force --force
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:Maira222/lab3.git
+ 5bb4583...4c6698e test-force -> test-force (forced update)
```

## Task 10: Running Gitea in GitHub Codespaces via Docker Compose

1.



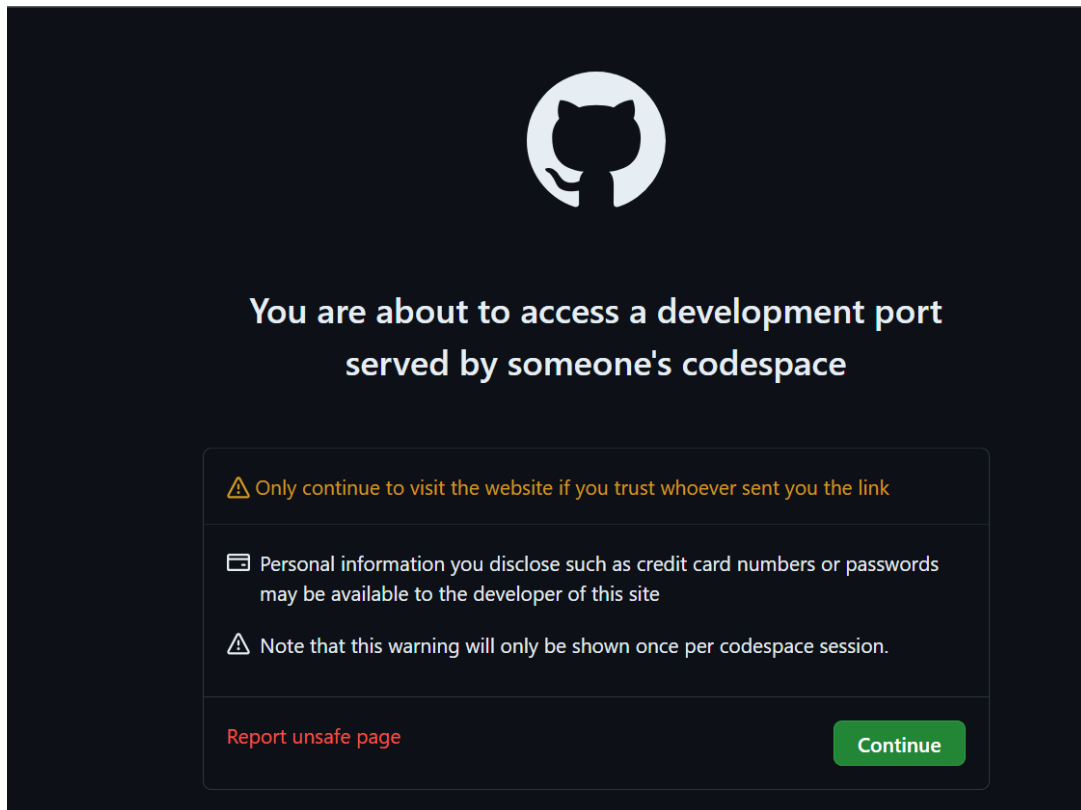
2.



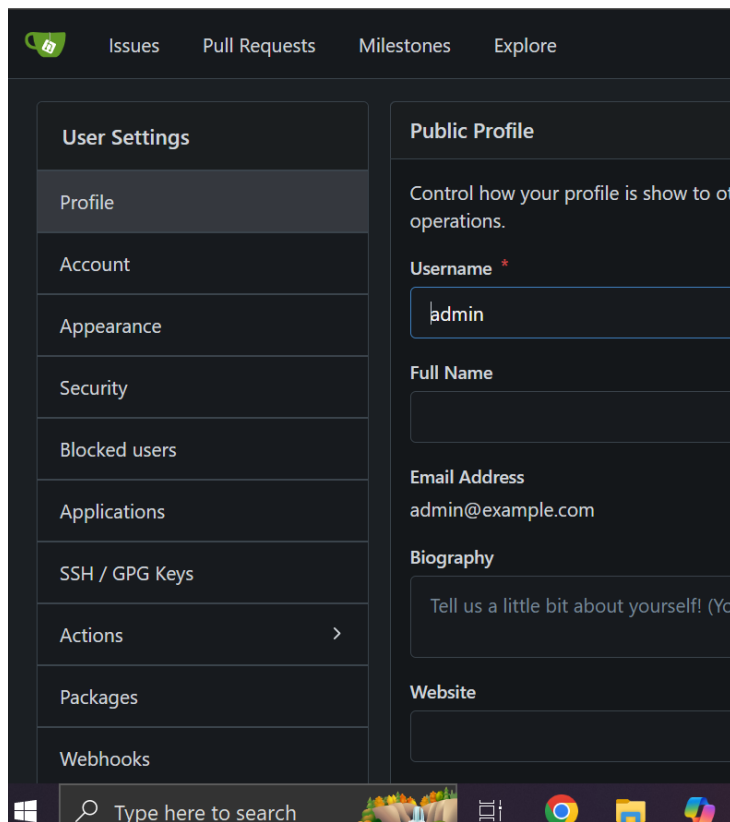
3.



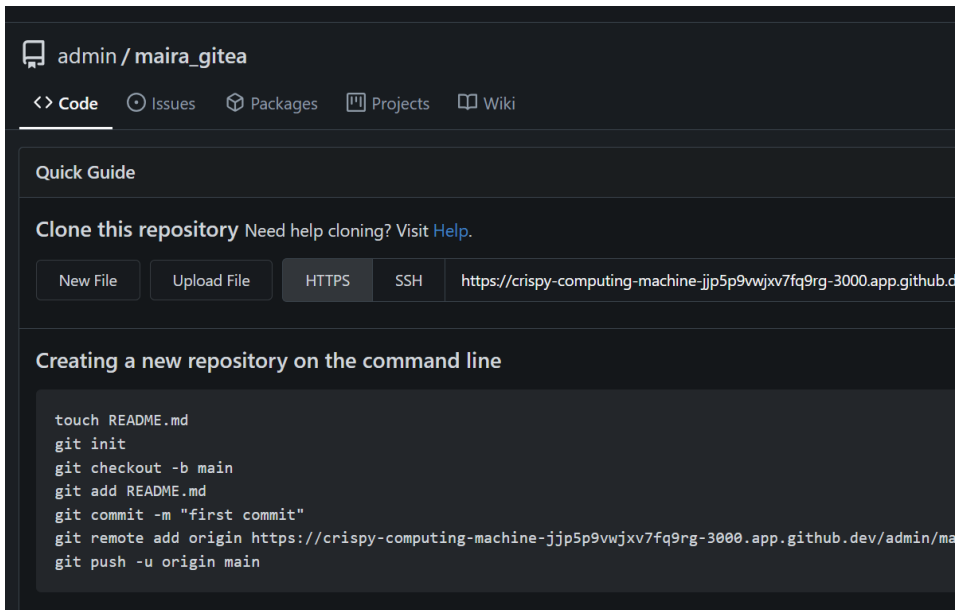
4.



5.

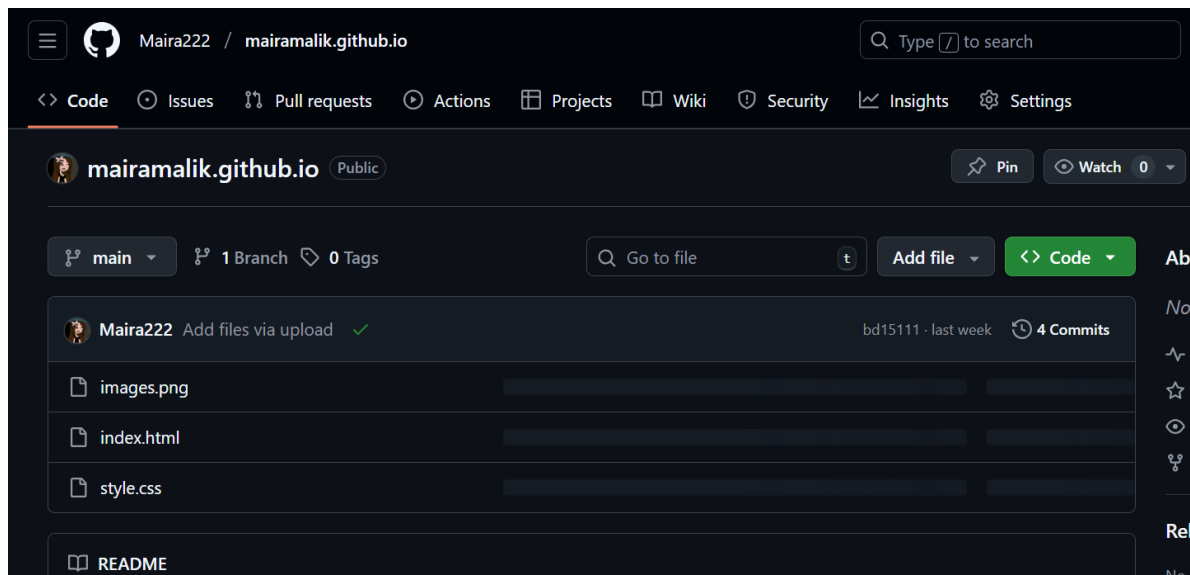


6.



## Task 11: Creating a GitHub Pages Portfolio Site

1.





2.

Deploy from a branch


Branch

Your GitHub Pages site is currently being built from the `main` branch. [Learn more about configuring the publishing source for your site.](#)

 `main`  `/ (root)`


Learn how to [add a Jekyll theme](#) to your site.


3.




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**Objective**

Aspiring Software Engineer with a growing focus on Development Operations, software construction, and modern development methodologies. Experienced in UI/UX design through active contribution to the Google Developer Groups on Campus (GDGoC) community. Eager to leverage design expertise and technical knowledge to build innovative, efficient, and user-centered software solutions while continuously expanding skills in development and operations.