Subject name: **Source code management**

Subject code: **CS181**

Cluster: **Beta**

Department: **DCSE**

Submitted by:
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2110990535
G08

Submitted to:
Dr. Monit Kapoor

Aim: Setting up of Git Client

Theory:

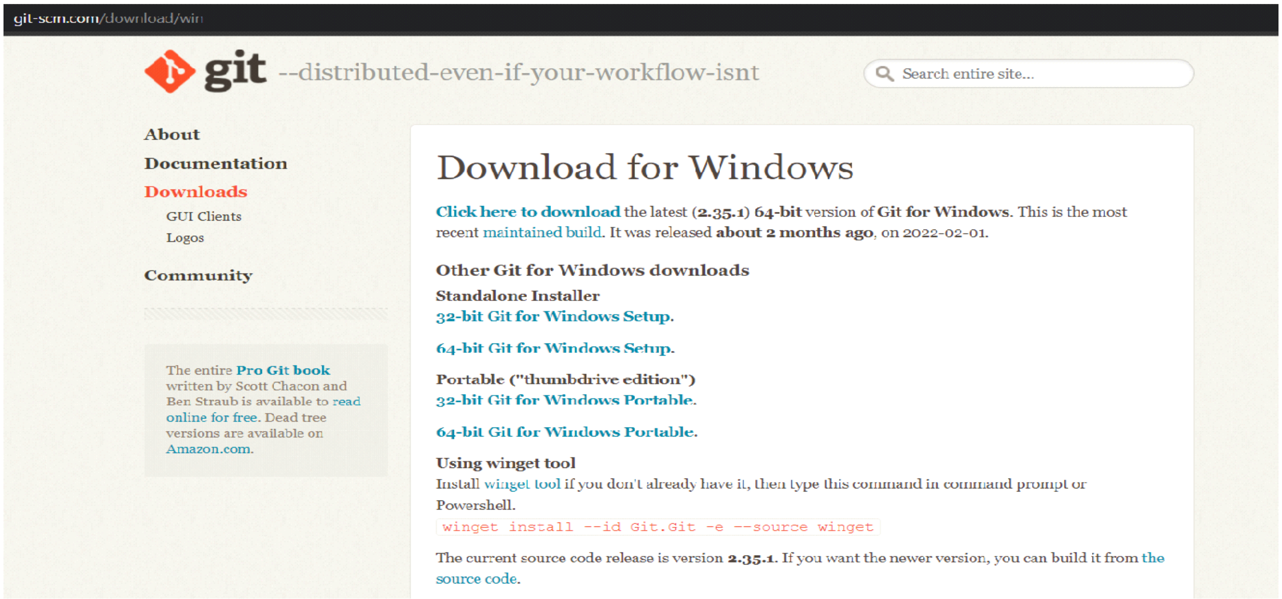
GIT –> It is basically used for pushing and pulling of code. We can use git and git-hub parallelly to work with multiple members or individually. We can make , edit , recreate ,copy or download any code on git hub using git.

What is GIT ? –> It's a Version Control System(VCS) -> It is a software or we can say a server by which we are able to track all the previous changes in the code.

Advantages of GIT –>

Procedure: We can install Git on Windows, using the most official build which is available for download on the GIT's official website or by just typing (scmgit) on any search engine. We can go on https://git-scm.com/download/win and can select the platform and bit-version to download. And after clicking on your desired bit-version or ios it will start downloading automatically.

Snapshots of download:



The entire **Pro Git book** written by Scott Chacon and Ben Straub is available to read online for free. Dead tree versions are available on Amazon.com.

Download for Windows

Click here to download the latest (**2.35.1**) **64-bit** version of **Git for Windows**. This is the most recent maintained build. It was released **about 2 months ago**, on 2022-02-01.

Other Git for Windows downloads

Standalone Installer

32-bit Git for Windows Setup.

64-bit Git for Windows Setup.

Portable ("thumbdrive edition")

32-bit Git for Windows Portable.

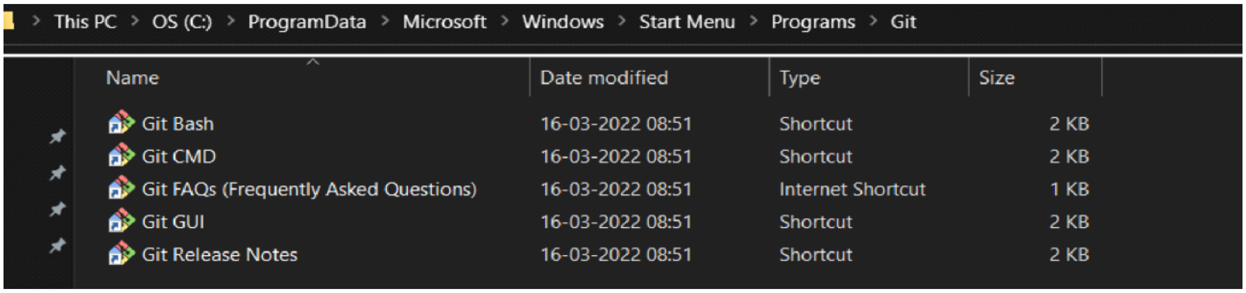
64-bit Git for Windows Portable.

Using winget tool

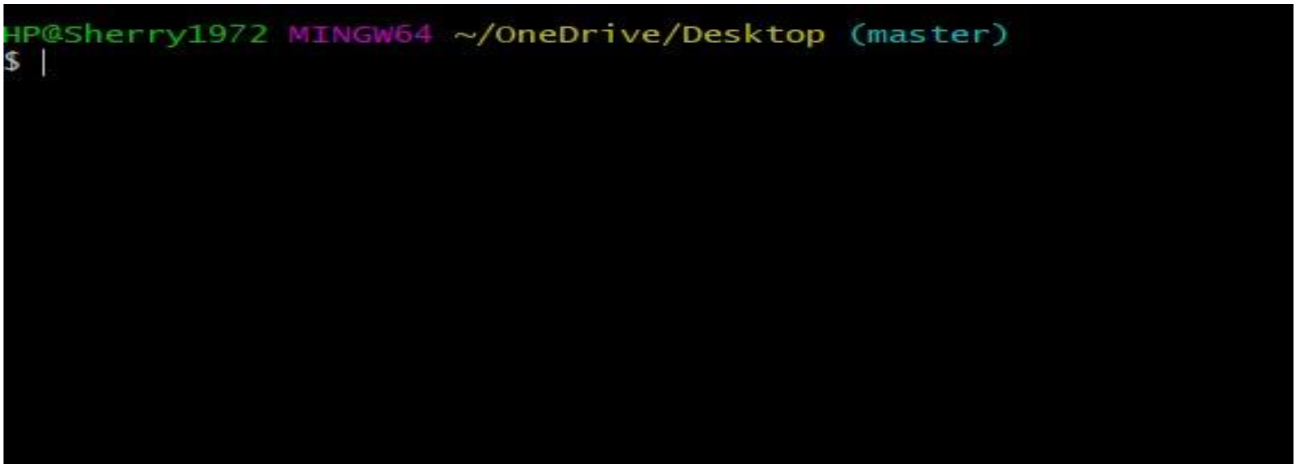
Install winget tool if you don't already have it, then type this command in command prompt or Powershell.

```
winget install --id Git.Git -e --source winget
```

The current source code release is version **2.35.1**. If you want the newer version, you can build it from the source code.


This PC > OS (C:) > ProgramData > Microsoft > Windows > Start Menu > Programs > Git

Name	Date modified	Type	Size
Git Bash	16-03-2022 08:51	Shortcut	2 KB
Git CMD	16-03-2022 08:51	Shortcut	2 KB
Git FAQs (Frequently Asked Questions)	16-03-2022 08:51	Internet Shortcut	1 KB
Git GUI	16-03-2022 08:51	Shortcut	2 KB
Git Release Notes	16-03-2022 08:51	Shortcut	2 KB



```
HP@Sherry1972 MINGW64 ~/OneDrive/Desktop (master)
$ |
```

Aim: Setting up GitHub Account

Theory:

What is GitHub -> GitHub is a website and cloud-based service (client) that helps an individual or a developers to store and manage their code. We can also track as well as control changes to our or public code.

Advantages of GitHub -> GitHub's has a user-friendly interface and is easy to use .We can connect the git-hub and git but using some commands shown below in figure 001. Without GitHub we cannot use Git because it generally requires a host and if we are working for a project we need to share it will our team members, which can only be done by making a repository . Additionally , anyone can sign up and host a public code repository for free, which makes GitHub especially popular with open-source projects.

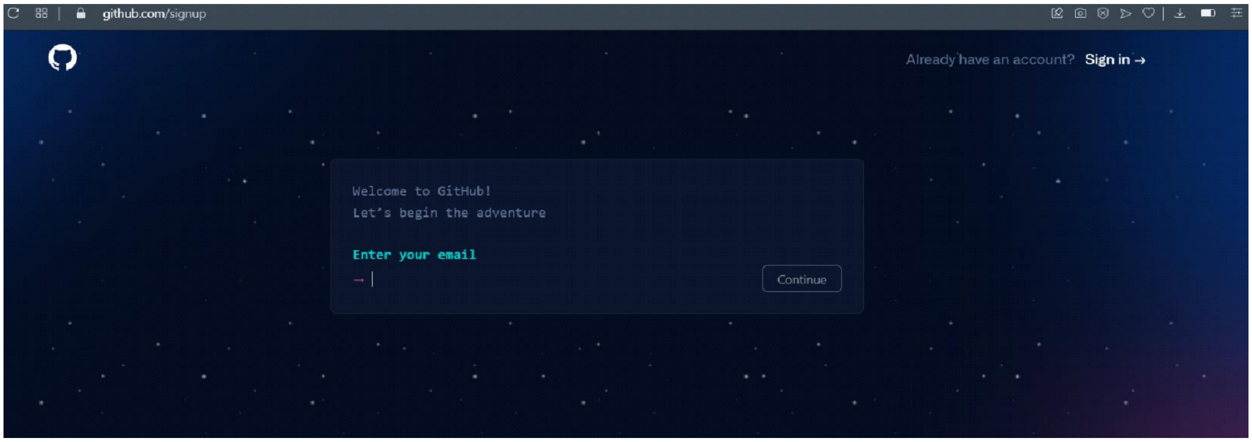
Procedure:-

Step1 :-

Google (any search engine)
Search for git-hub or (https://github.com/signup).

Step2 :-

Snapshots –



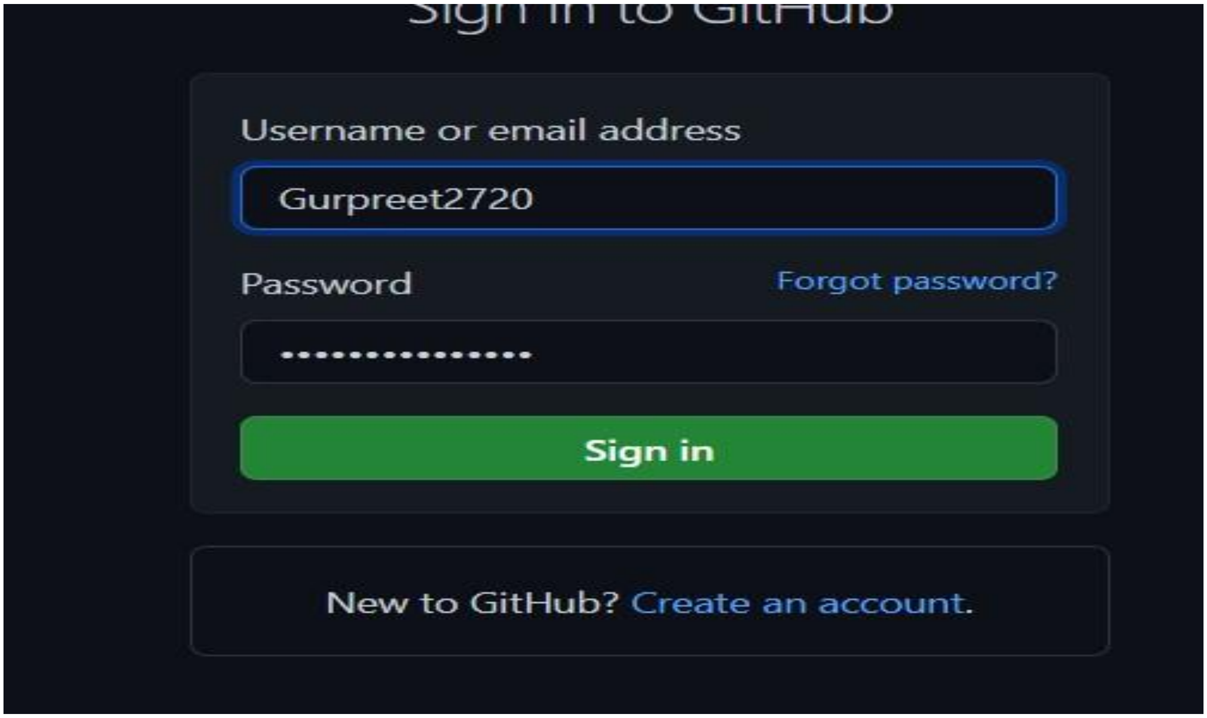
Already have an account?

Welcome to GitHub!
Let's begin the adventure

Enter your email

After visiting the link this type of interface will appear, if you already have account you can sign in and if not you can create.

Sign in into GitHub :-

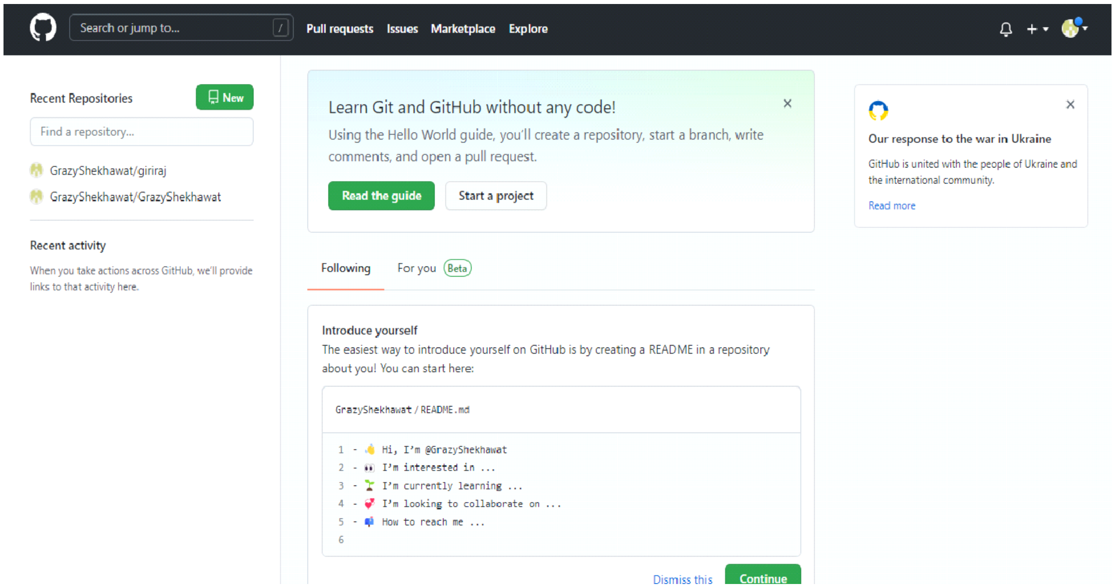


Username or email address: Gurpreet2720

Password: •••••••••••••••

New to GitHub?

Interface of GitHub :-



GrazyShekhawat/giriraj

GrazyShekhawat/GrazyShekhawat

Recent activity

When you take actions across GitHub, we'll provide links to that activity here.

Learn Git and GitHub without any code!

Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.

Our response to the war in Ukraine

GitHub is united with the people of Ukraine and the international community.

Introduce yourself

The easiest way to introduce yourself on GitHub is by creating a README in a repository about you! You can start here:

GrazyShekhawat / README.md

```
- 👋 Hi, I’m @GrazyShekhawat
- 👀 I’m interested in ...
- 🌱 I’m currently learning ...
- 💞️ I’m looking to collaborate on ...
- 📫 How to reach me ...

```

To link GitHub account with Git bash –

<u>For username</u>:-

git config --global user.name “username in git-hub”

<u>For user email</u>:-

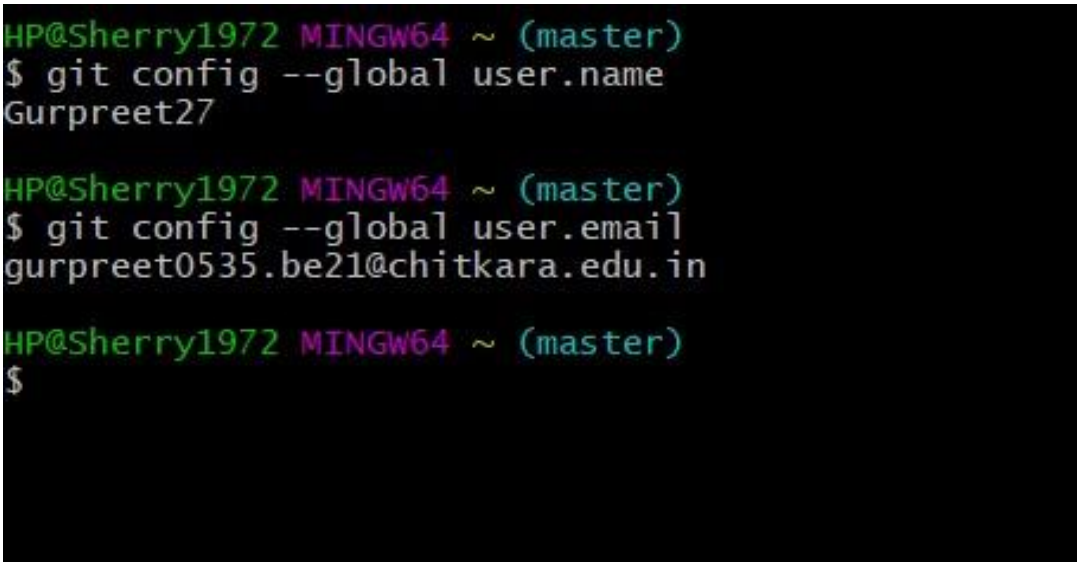
git config --global user.email “your email in git-hub”

<u>To verify</u>:-

git config user.name

git config user.email

Snapshot :-



```
HP@Sherry1972 MINGW64 ~ (master)
$ git config --global user.name
Gurpreet27

HP@Sherry1972 MINGW64 ~ (master)
$ git config --global user.email
gurpreet0535.be21@chitkara.edu.in

HP@Sherry1972 MINGW64 ~ (master)
$
```

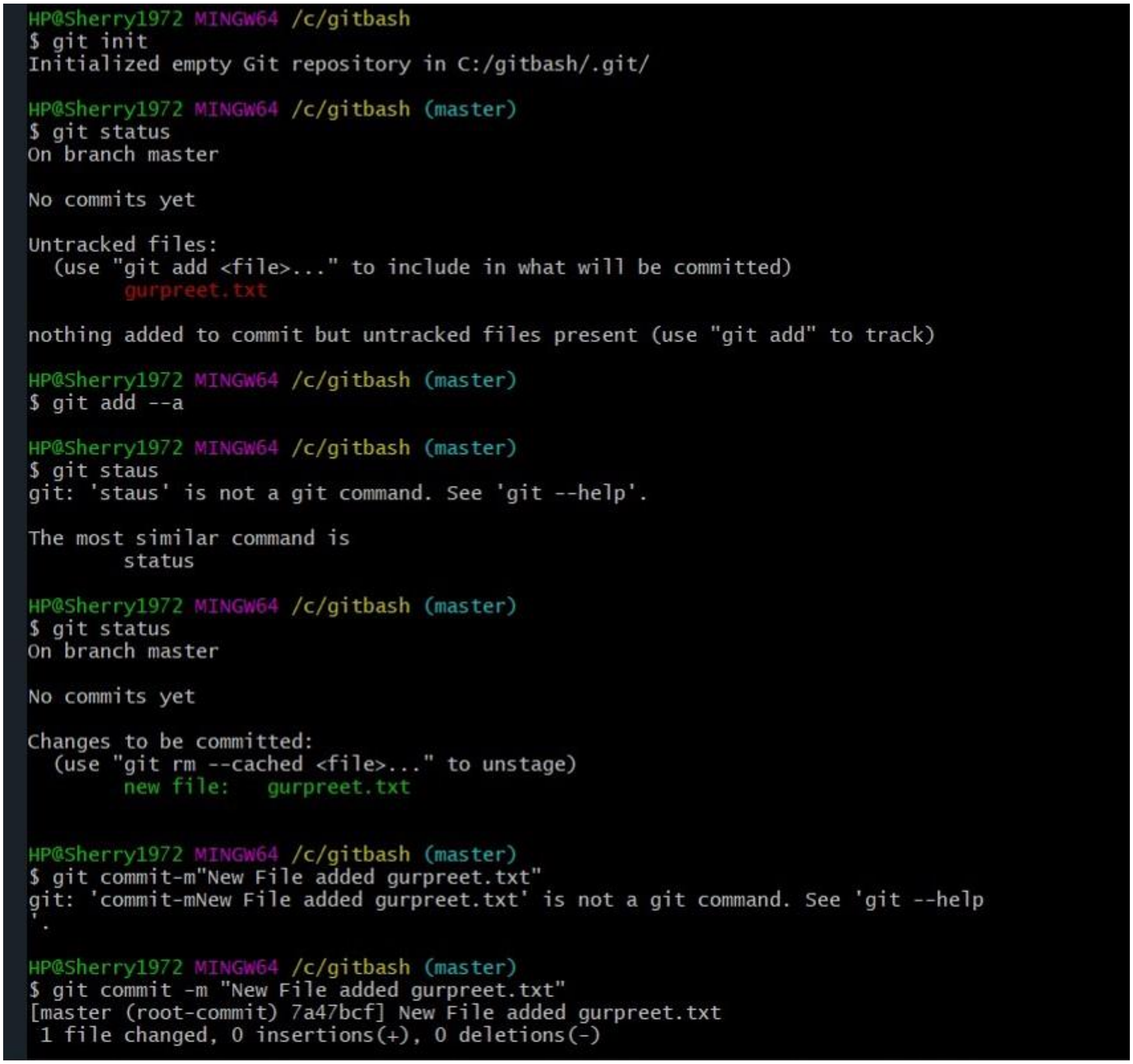
Aim: Program to Generate log

Theory:-

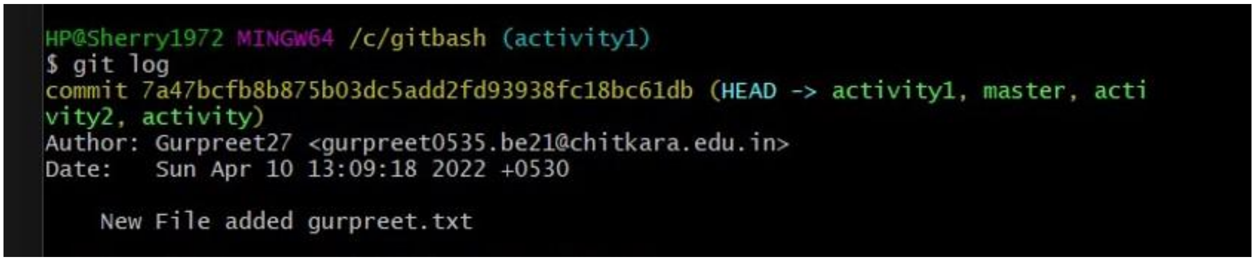
Logs -> Logs are nothing but the history which we can see in git by using the code git log.
It contains all the past commits, insertions and deletions in it which we can see any time.

Why logs -> Logs helps to check that what were the changes in the code or any other file and by whom. It also contains the number of insertions and deletions including at which time it was changed.

Snapshots –



```
HP@Sherry1972 MINGW64 /c/gitbash
$ git init
Initialized empty Git repository in C:/gitbash/.git/

HP@Sherry1972 MINGW64 /c/gitbash (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        gurpreet.txt

nothing added to commit but untracked files present (use "git add" to track)

HP@Sherry1972 MINGW64 /c/gitbash (master)
$ git add --a

HP@Sherry1972 MINGW64 /c/gitbash (master)
$ git staus
git: 'staus' is not a git command. See 'git --help'.

The most similar command is
        status

HP@Sherry1972 MINGW64 /c/gitbash (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   gurpreet.txt


HP@Sherry1972 MINGW64 /c/gitbash (master)
$ git commit-m"New File added gurpreet.txt"
git: 'commit-mNew File added gurpreet.txt' is not a git command. See 'git --help
'.

HP@Sherry1972 MINGW64 /c/gitbash (master)
$ git commit -m "New File added gurpreet.txt"
[master (root-commit) 7a47bcf] New File added gurpreet.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
```



```
HP@Sherry1972 MINGW64 /c/gitbash (activity1)
$ git log
commit 7a47bcfb8b875b03dc5add2fd93938fc18bc61db (HEAD -> activity1, master, acti
vity2, activity)
Author: Gurpreet27 <gurpreet0535.be21@chitkara.edu.in>
Date:   Sun Apr 10 13:09:18 2022 +0530

    New File added gurpreet.txt
```

Aim: Create and visualize branches

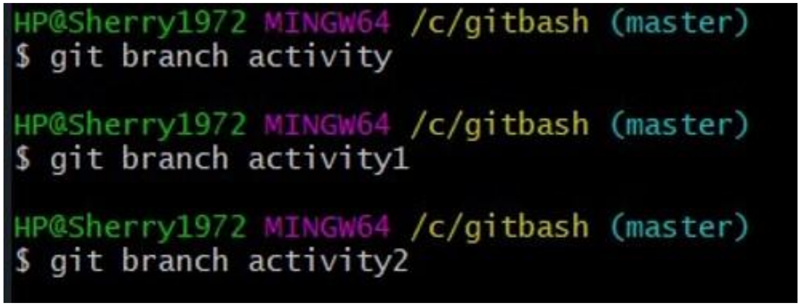
Create branches :-

The main branch in git is called as master branch. But we can make branches out of this main master branch. All the files present in master can be shown in branch but the file which are created in branch are not shown in master branch. We can also merge both the parent (master) and child (other branches).

Syntax:-

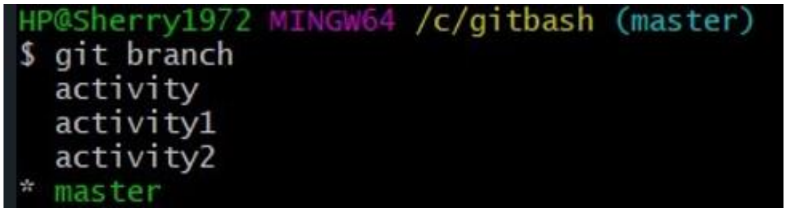
- For creating a new branch.
  git branch name of branch

Snapshots –



```
HP@Sherry1972 MINGW64 /c/gitbash (master)
$ git branch activity

HP@Sherry1972 MINGW64 /c/gitbash (master)
$ git branch activity1

HP@Sherry1972 MINGW64 /c/gitbash (master)
$ git branch activity2
```

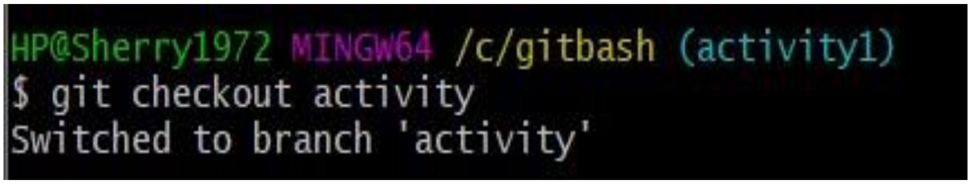
- We can also check how many branches we have.
  git branch



```
HP@Sherry1972 MINGW64 /c/gitbash (master)
$ git branch
  activity
  activity1
  activity2
* master
```

- To change the present working branch.
  git checkout name of branch.

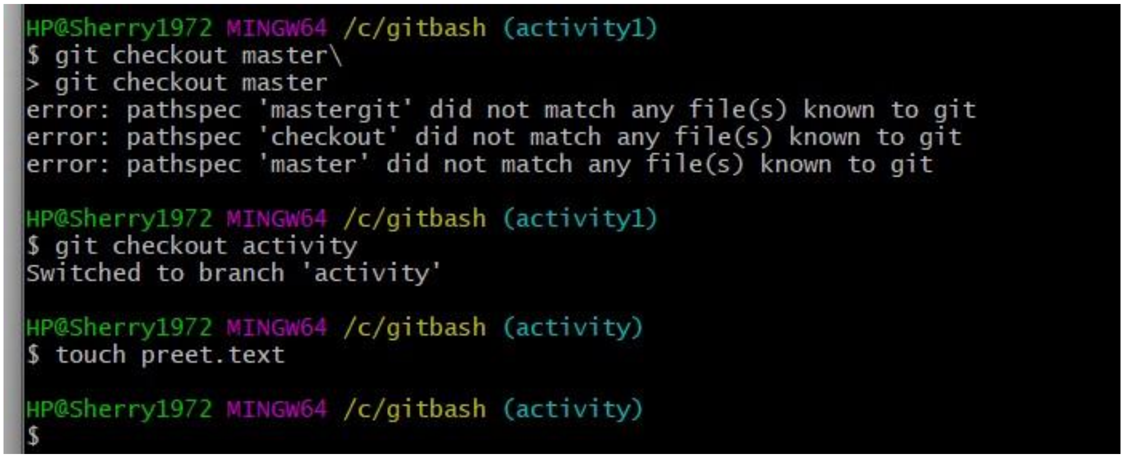
Snapshots –



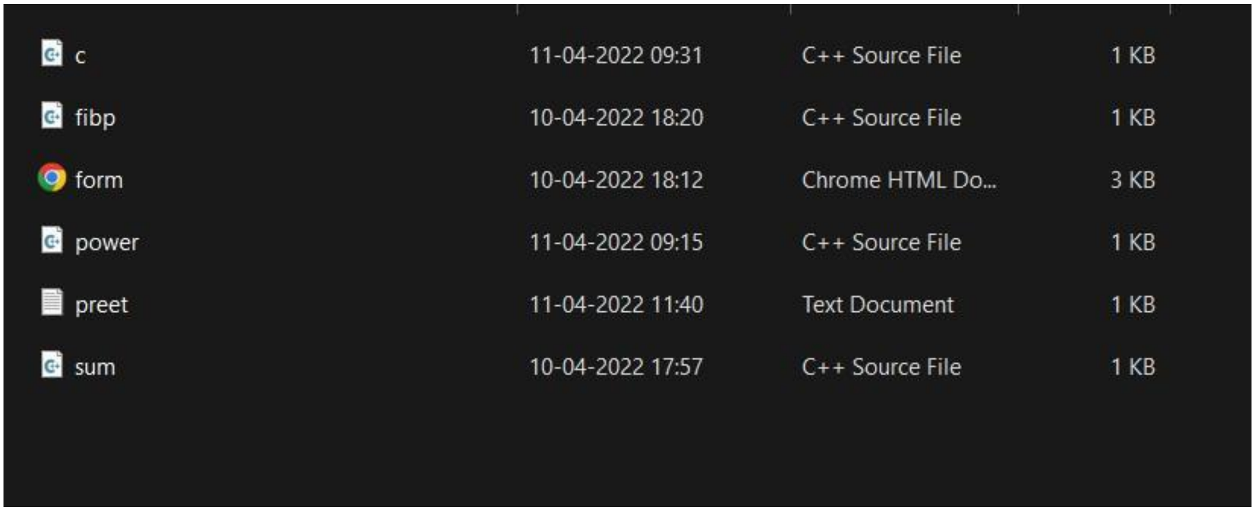
```
HP@Sherry1972 MINGW64 /c/gitbash (activity1)
$ git checkout activity
Switched to branch 'activity'
```

<u>Visualizing branches :-</u>

To visualize I have created a new file in a new branch activity 1 instead of master branch.

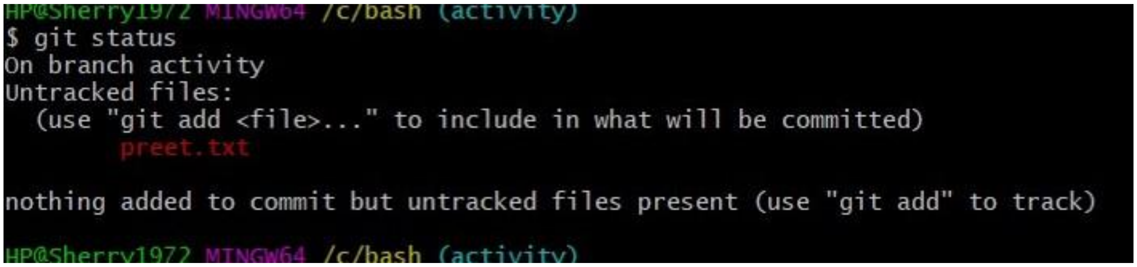


```
HP@Sherry1972 MINGW64 /c/gitbash (activity1)
$ git checkout master\
> git checkout master
error: pathspec 'mastergit' did not match any file(s) known to git
error: pathspec 'checkout' did not match any file(s) known to git
error: pathspec 'master' did not match any file(s) known to git

HP@Sherry1972 MINGW64 /c/gitbash (activity1)
$ git checkout activity
Switched to branch 'activity'

HP@Sherry1972 MINGW64 /c/gitbash (activity)
$ touch preet.text

HP@Sherry1972 MINGW64 /c/gitbash (activity)
$
```



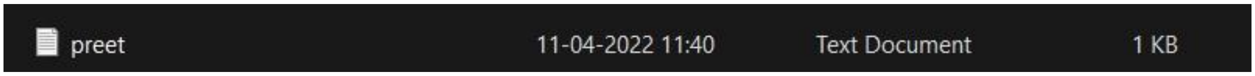
c	11-04-2022 09:31	C++ Source File	1 KB
fibp	10-04-2022 18:20	C++ Source File	1 KB
form	10-04-2022 18:12	Chrome HTML Do...	3 KB
power	11-04-2022 09:15	C++ Source File	1 KB
preet	11-04-2022 11:40	Text Document	1 KB
sum	10-04-2022 17:57	C++ Source File	1 KB

After this I have done the 3 step architecture which is tracking the file , send it to stagging area and finally we can role back to any previously saved version of this file.



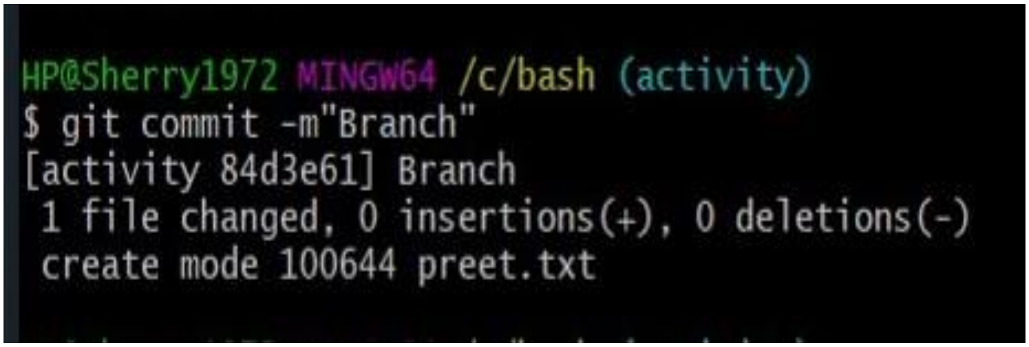
```
HP@Sherry1972 MINGW64 /c/bash (activity)
$ git status
On branch activity
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        preet.txt

nothing added to commit but untracked files present (use "git add" to track)

HP@Sherry1972 MINGW64 /c/bash (activity)
```

After this we will change the branch from activity1 to master, but when I will switch to the master branch there will not be the same file in the master , it will not show the new file in the master branch.



preet   11-04-2022 11:40   Text Document   1 KB

In this way we can create and change different branches . We can also merge the branches by using git merge command.



```
HP@Sherry1972 MINGW64 /c/bash (activity)
$ git commit -m"Branch"
[activity 84d3e61] Branch
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 preet.txt
```

Aim: Git lifecycle description

Theory:

Stages in GIT Life Cycle -> Files in a Git project have various stages like Creation, Modification, Refactoring, and Deletion and so on. Irrespective of whether this project is tracked by Git or not, these phases are still prevalent. However, when a project is under Git version control system, they are present in three major Git states in addition to these basic ones. Here are the three Git states:

- Working directory
- Staging area
- Git directory

Working Directory ->

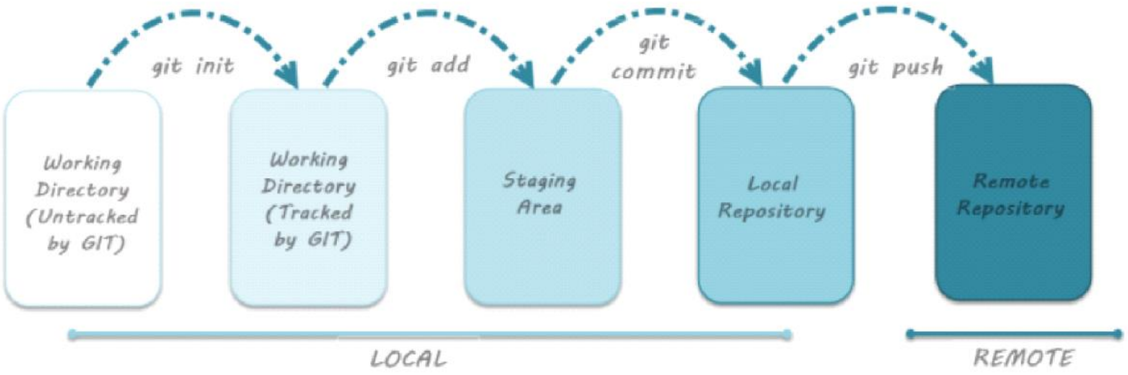
Consider a project residing in your local system. This project may or may not be tracked by Git. In either case, this project directory is called your Working directory.

Staging Area ->

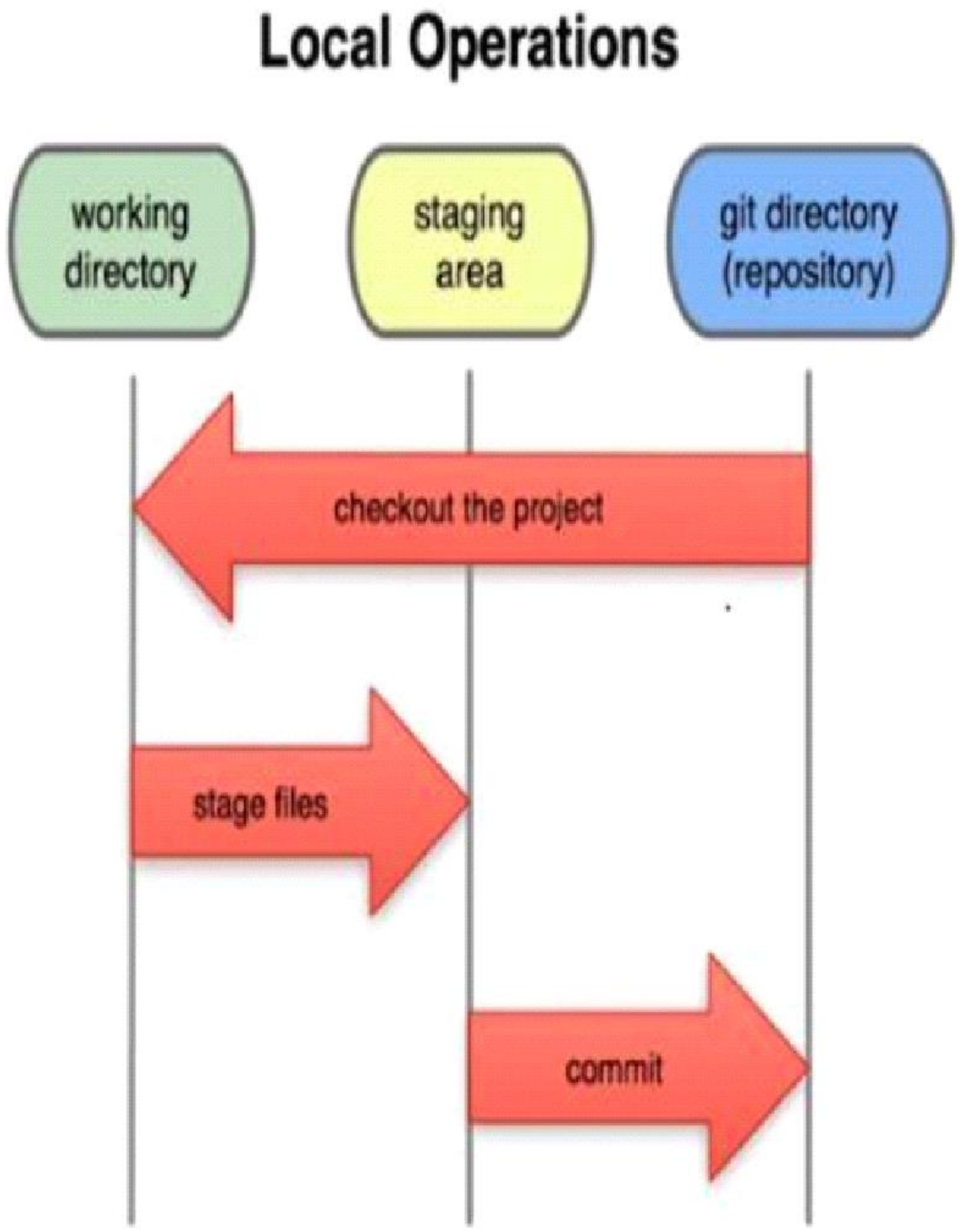
Staging area is the playground where you group, add and organize the files to be committed to Git for tracking their versions.

Git Directory ->

Now that the files to be committed are grouped and ready in the staging area, we can commit these files. So, we commit this group of files along with a commit message explaining what is the commit about. Apart from commit message, this step also records the author and time of the commit. Now, a snapshot of the files in the commit is recorded by Git. The information related to this commit is stored in the Git directory.



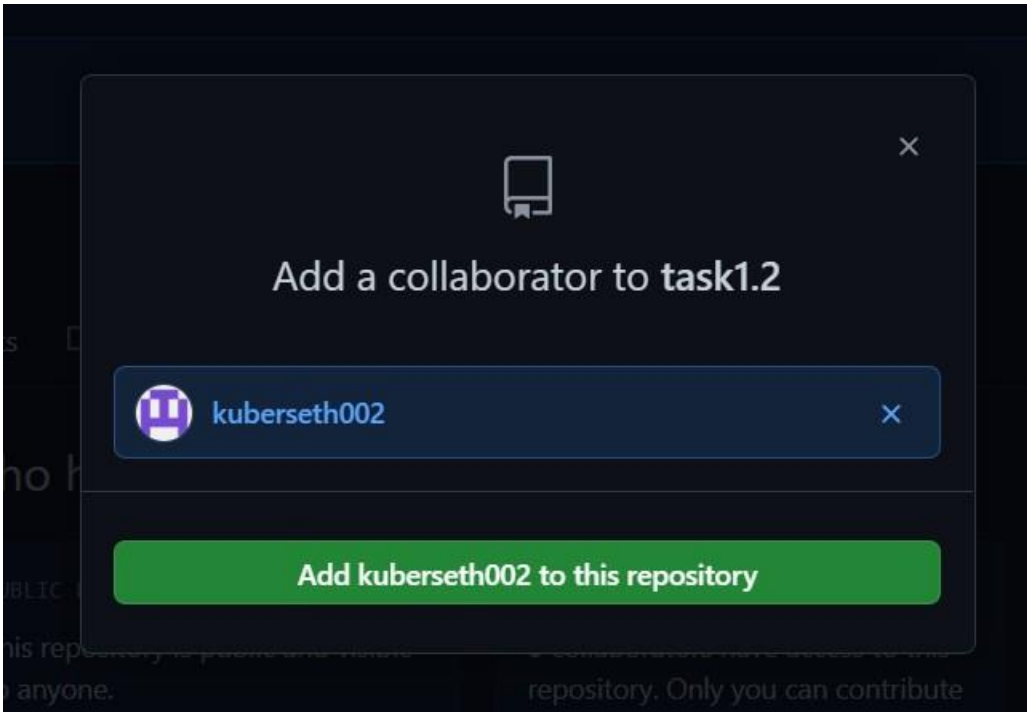
Remote Repository-> means mirror or clone of the local Git repository in GitHub. And pushing means uploading the commits from local Git repository to remote repository hosted in GitHub.



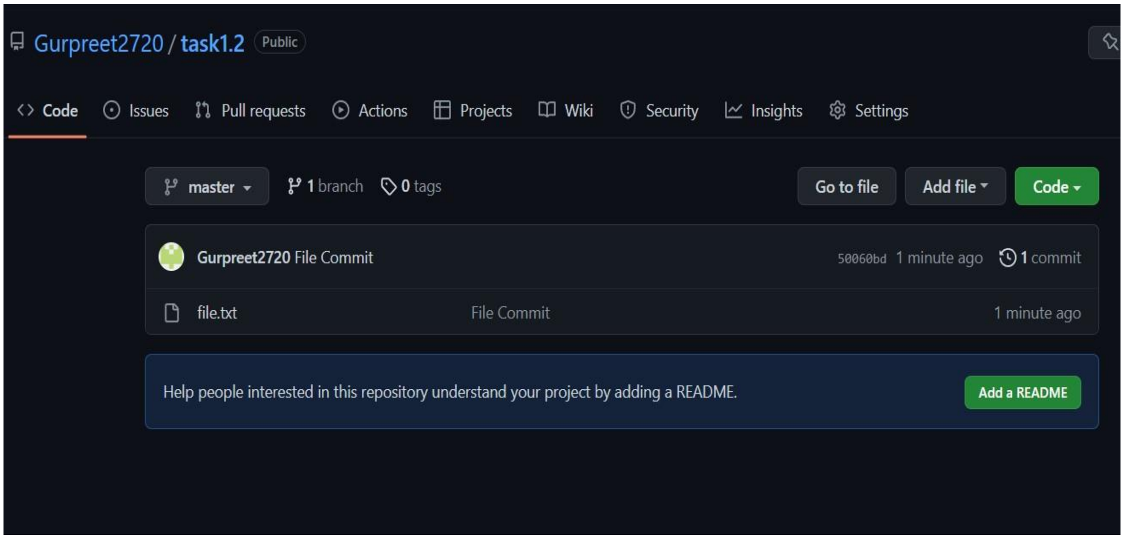
Task 1.2

1. Add Collaborators on Github Repo :-

1. Ask for the username of the person you're inviting as a collaborator. ...


Add a collaborator to task1.2

2. On GitHub.com, navigate to the main page of the repository.

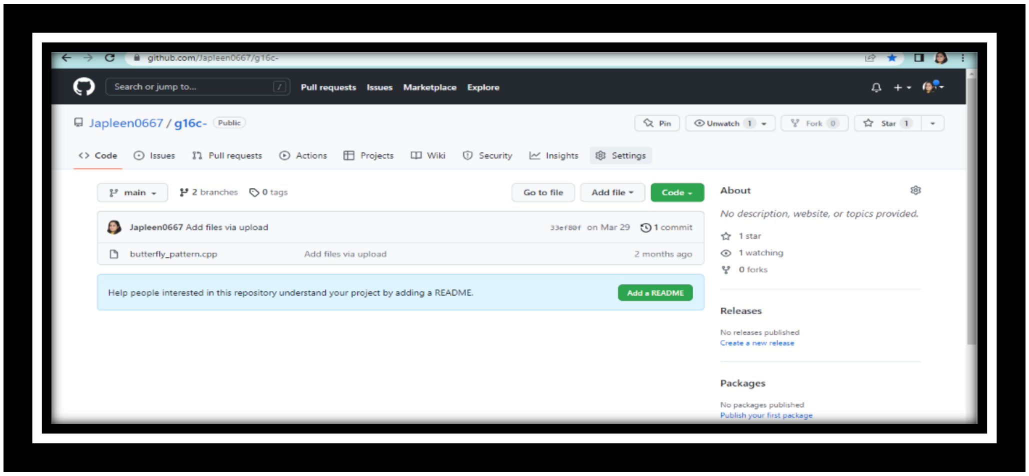


Gurpreet2720 File Commit 50060bd 1 minute ago 1 commit

file.txt File Commit 1 minute ago

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

3. Under our repository name, click Settings


github.com/Japleen0667/g16c-
Search or jump to...
Pull requests Issues Marketplace Explore
Japleen0667 / g16c- Public
Pin Unwatch 1 Fork 0 Star 1
Code Issues Pull requests Actions Projects Wiki Security Insights Settings
main 2 branches 0 tags
Go to file Add file Code
About
1 star
1 watching
0 forks
Releases
Create a new release
Packages
Publish your first package
Add a README

No description, website, or topics provided.

Japleen0667 Add files via upload 33ef80f on Mar 29 1 commit

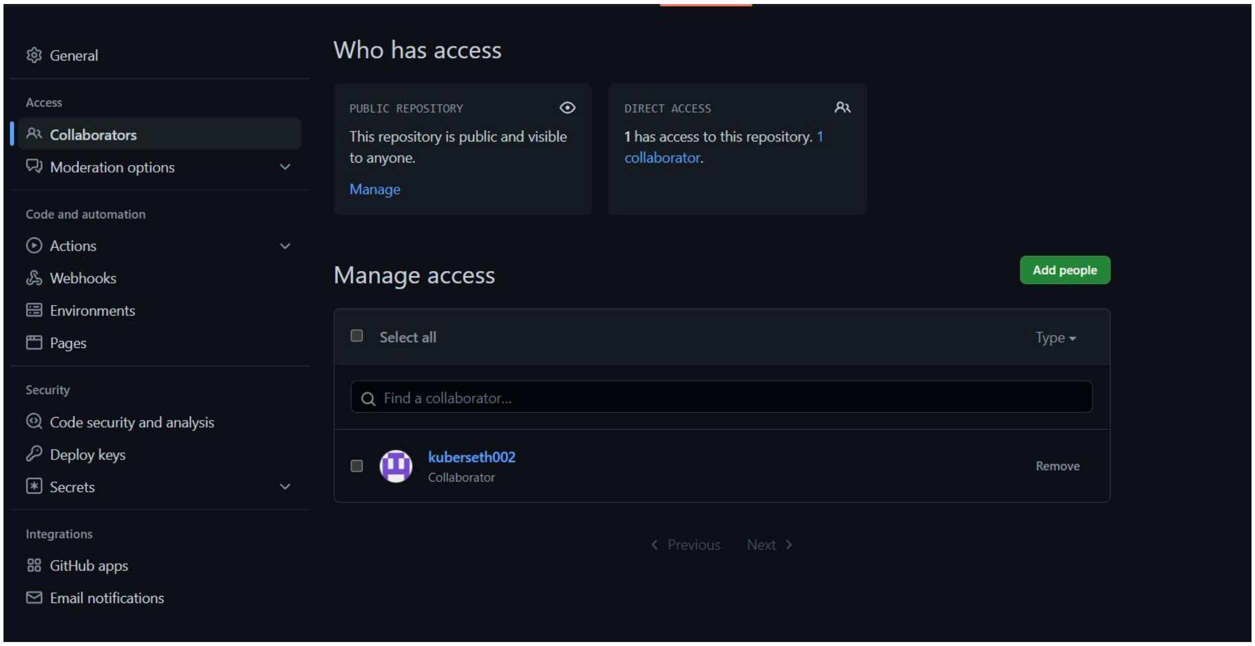
butterfly_pattern.cpp Add files via upload 2 months ago

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

No releases published

No packages published

4. In the "Access" section of the sidebar, click Collaborators & teams.



This repository is public and visible to anyone.

1 has access to this repository. 1 collaborator.

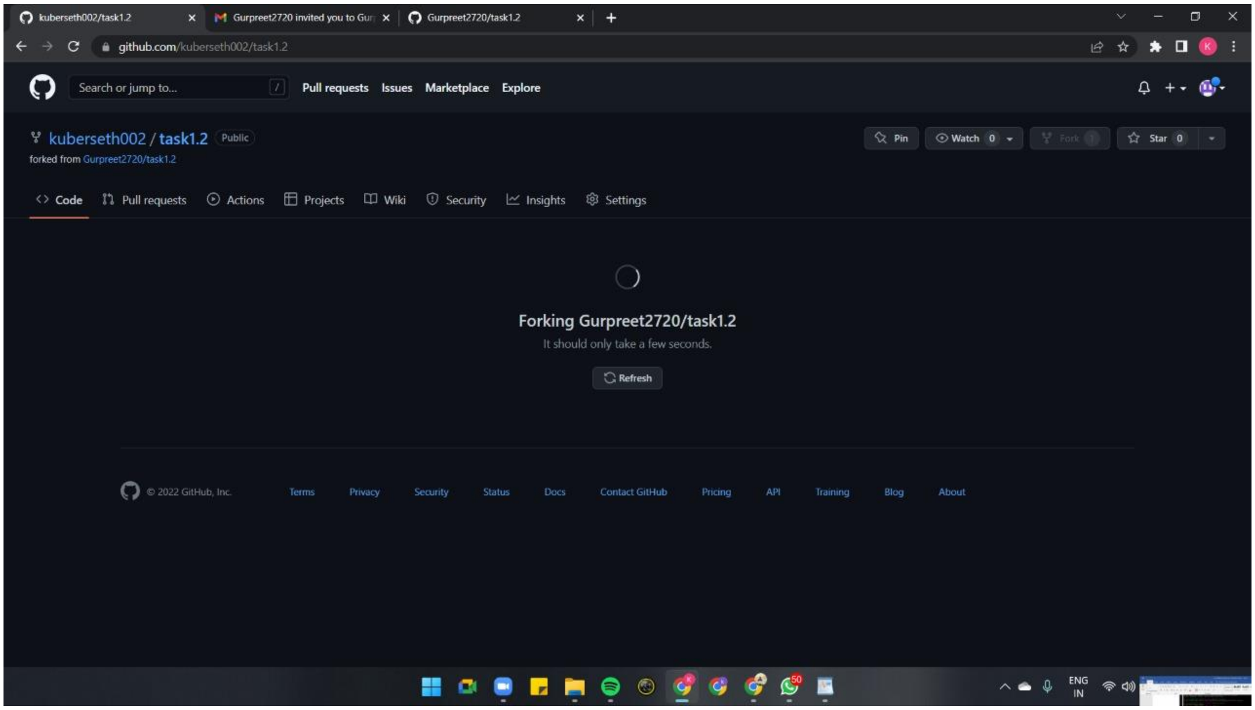
kuberseth002 Collaborator

<u>2. Fork And Commit :-</u> A fork is a copy of a repository that we manage.

Forks let us make changes to a project without affecting the original repository. We can fetch updates from or submit changes to the original repository with pull requests.

web browser and clicking on the *Fork* button on the repository's home page. A forked copy of that Git repository will be added to your personal GitHub or GitLab repo. That's it. That's all we have to do to fork a Git repo.

If we need to fork a GitHub or GitLab repo, it's as simple as navigating to the landing page of the repository in your



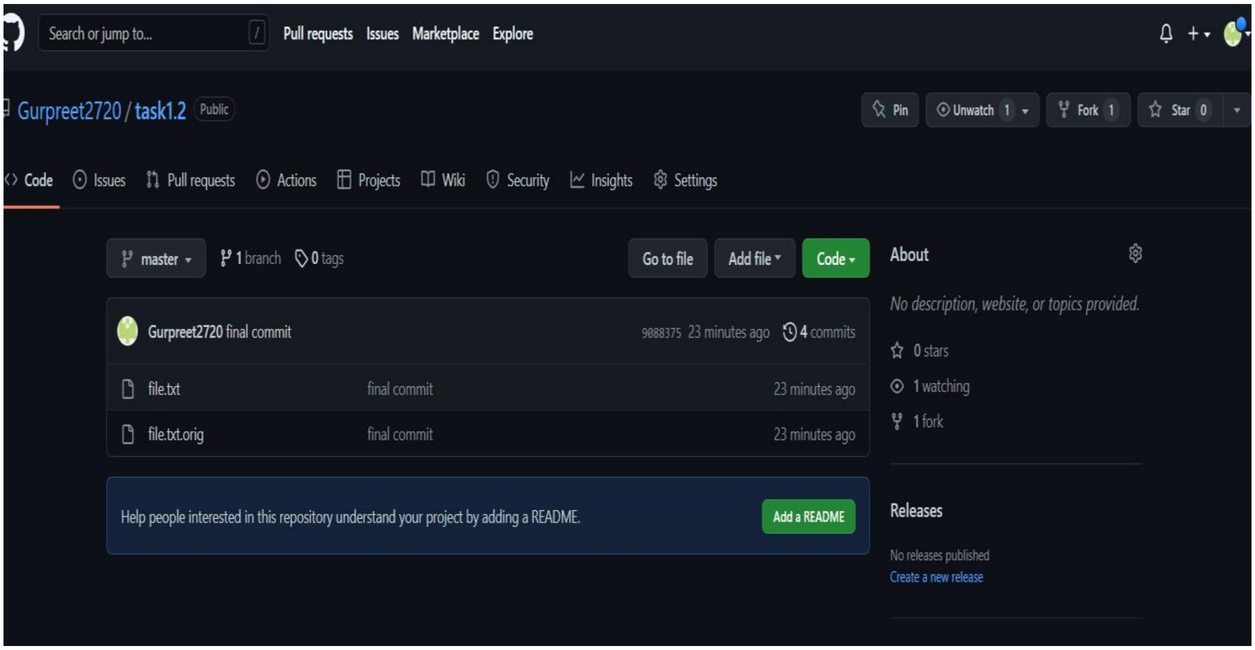
kuberseth002 / task1.2 Public

forked from Gurpreet2720/task1.2

Forking Gurpreet2720/task1.2

It should only take a few seconds.

© 2022 GitHub, Inc.



Gurpreet2720 / task1.2 Public

1 branch 0 tags

Gurpreet2720 final commit		9088375 23 minutes ago 4 commits
file.txt	final commit	23 minutes ago
file.txt.orig	final commit	23 minutes ago

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

About

No description, website, or topics provided.

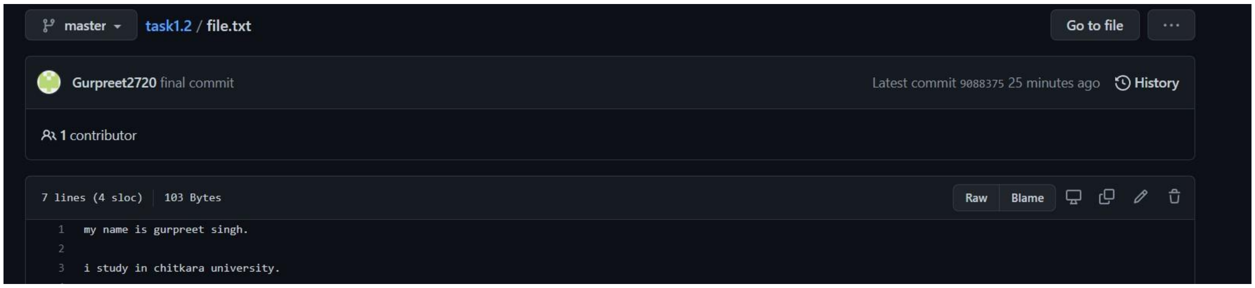
0 stars

1 watching

1 fork

Releases

No releases published



Gurpreet2720 final commit

Latest commit 9088375 25 minutes ago

1 contributor

7 lines (4 sloc) | 103 Bytes

```
my name is gurpreet singh.

i study in chitkara university.
```

3. Merge and Resolve conflicts created due to own Activity and Collaborators activity:-

There are a few steps that could reduce the steps needed to resolve merge conflicts in Git.

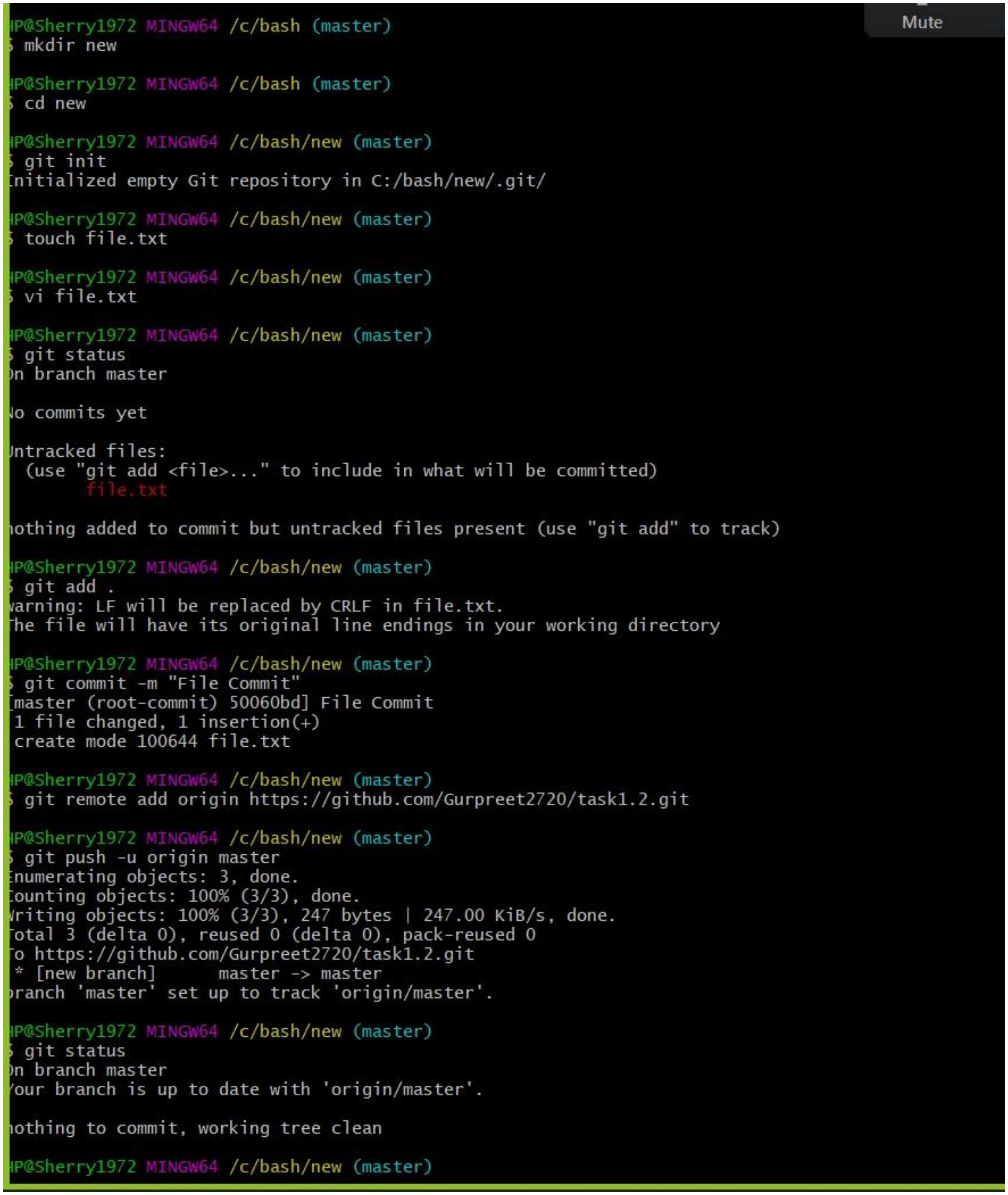
1. The easiest way to resolve a conflicted file is to open it and make any necessary changes.

2. After editing the file, we can use the git add a command to stage the new merged content.

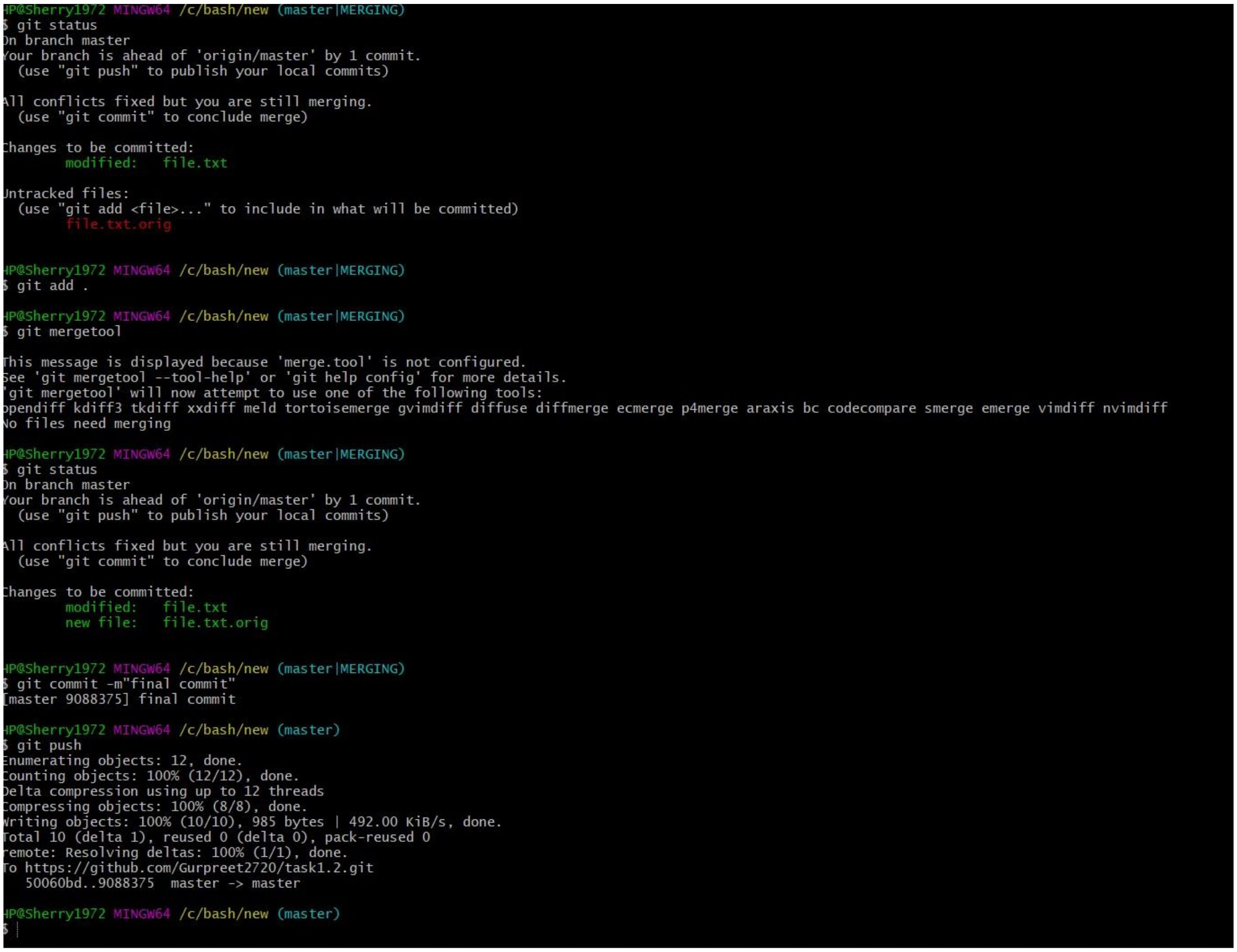
3. The final step is to create a new commit with the help of the git commit command.

4. Git will create a new merge commit to finalize the merge

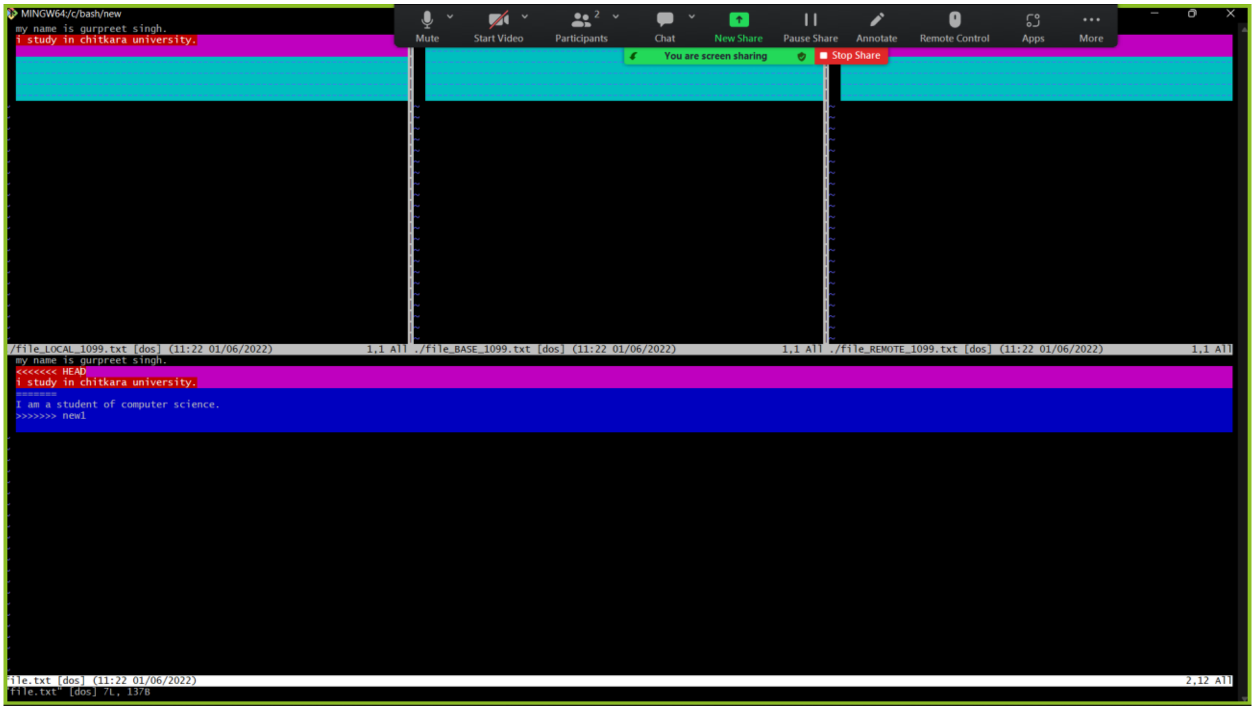
Let us now look into the Git commands that may play a significant role in resolving conflicts.



```
HP@Sherry1972 MINGW64 /c/bash (master)
$ mkdir new

HP@Sherry1972 MINGW64 /c/bash (master)
$ cd new

HP@Sherry1972 MINGW64 /c/bash/new (master)
$ git init
Initialized empty Git repository in C:/bash/new/.git/

HP@Sherry1972 MINGW64 /c/bash/new (master)
$ touch file.txt

HP@Sherry1972 MINGW64 /c/bash/new (master)
$ vi file.txt

HP@Sherry1972 MINGW64 /c/bash/new (master)
$ git status
On branch master

No commits yet

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

nothing added to commit but untracked files present (use "git add" to track)

HP@Sherry1972 MINGW64 /c/bash/new (master)
$ git add .
warning: LF will be replaced by CRLF in file.txt.
The file will have its original line endings in your working directory

HP@Sherry1972 MINGW64 /c/bash/new (master)
$ git commit -m "File Commit"
[master (root-commit) 50060bd] File Commit
 1 file changed, 1 insertion(+)
 create mode 100644 file.txt

HP@Sherry1972 MINGW64 /c/bash/new (master)
$ git remote add origin https://github.com/Gurpreet2720/task1.2.git

HP@Sherry1972 MINGW64 /c/bash/new (master)
$ git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 247 bytes | 247.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Gurpreet2720/task1.2.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.

HP@Sherry1972 MINGW64 /c/bash/new (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

HP@Sherry1972 MINGW64 /c/bash/new (master)
```



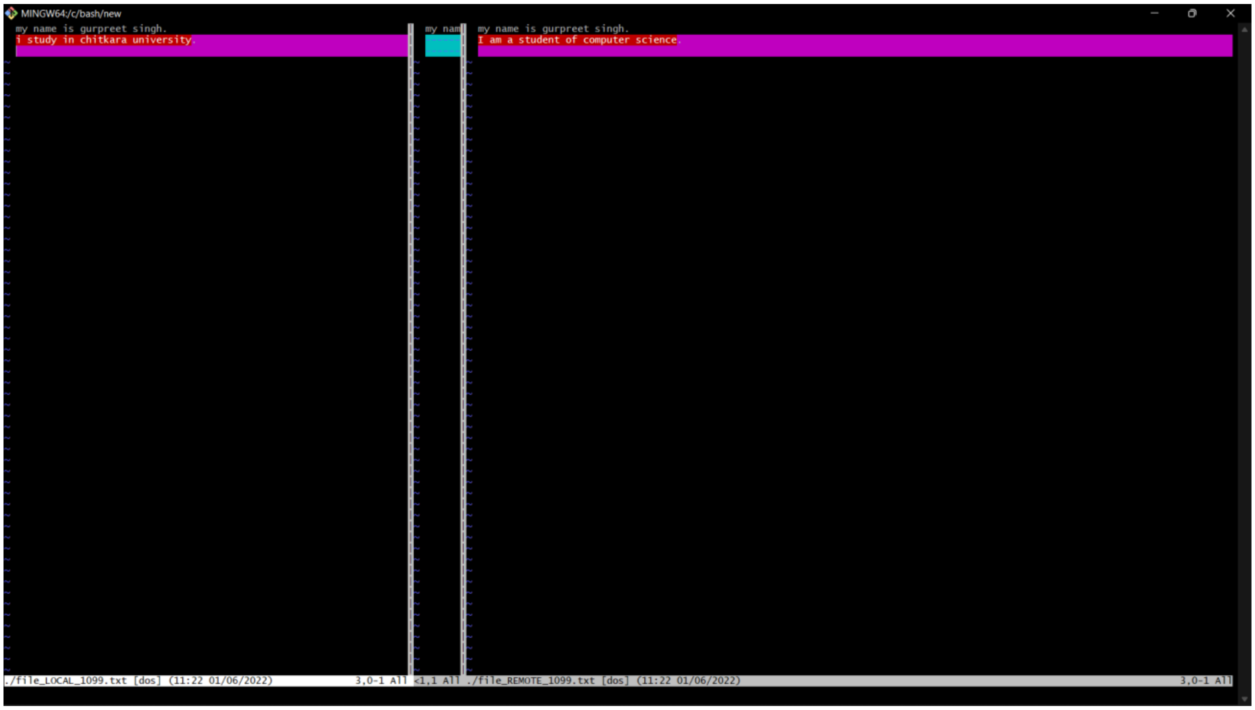
```
HP@Sherry1972 MINGW64 /c/bash/new (master|MERGING)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

All conflicts fixed but you are still merging.
  (use "git commit" to conclude merge)

Changes to be committed:
        modified:   file.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        file.txt.orig


HP@Sherry1972 MINGW64 /c/bash/new (master|MERGING)
$ git add .

HP@Sherry1972 MINGW64 /c/bash/new (master|MERGING)
$ git mergetool

This message is displayed because 'merge.tool' is not configured.
See 'git mergetool --tool-help' or 'git help config' for more details.
'git mergetool' will now attempt to use one of the following tools:
opendiff kdiff3 tkdiff xxdiff meld tortoisemerge gvimdiff diffuse diffmerge ecmerge p4merge araxis bc codecompare smerge emerge vimdiff nvimdiff
No files need merging

HP@Sherry1972 MINGW64 /c/bash/new (master|MERGING)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

All conflicts fixed but you are still merging.
  (use "git commit" to conclude merge)

Changes to be committed:
        modified:   file.txt
        new file:   file.txt.orig


HP@Sherry1972 MINGW64 /c/bash/new (master|MERGING)
$ git commit -m"final commit"
[master 9088375] final commit

HP@Sherry1972 MINGW64 /c/bash/new (master)
$ git push
Enumerating objects: 12, done.
Counting objects: 100% (12/12), done.
Delta compression using up to 12 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (10/10), 985 bytes | 492.00 KiB/s, done.
Total 10 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/Gurpreet2720/task1.2.git
   50060bd..9088375  master -> master

HP@Sherry1972 MINGW64 /c/bash/new (master)
$
```



```
my name is gurpreet singh.
i study in chitkara university.
```

```
/file_LOCAL_1099.txt [dos] (11:22 01/06/2022)     1,1 All ./file_BASE_1099.txt [dos] (11:22 01/06/2022)     1,1 All ./file_REMOTE_1099.txt [dos] (11:22 01/06/2022)     1,1 All
my name is gurpreet singh.
<<<<<<< HEAD
i study in chitkara university.
=======
I am a student of computer science.
>>>>>>> new1
```

```
ile.txt [dos] (11:22 01/06/2022)                                                                                                    2,12 All
"file.txt" [dos] 7L, 137B
```

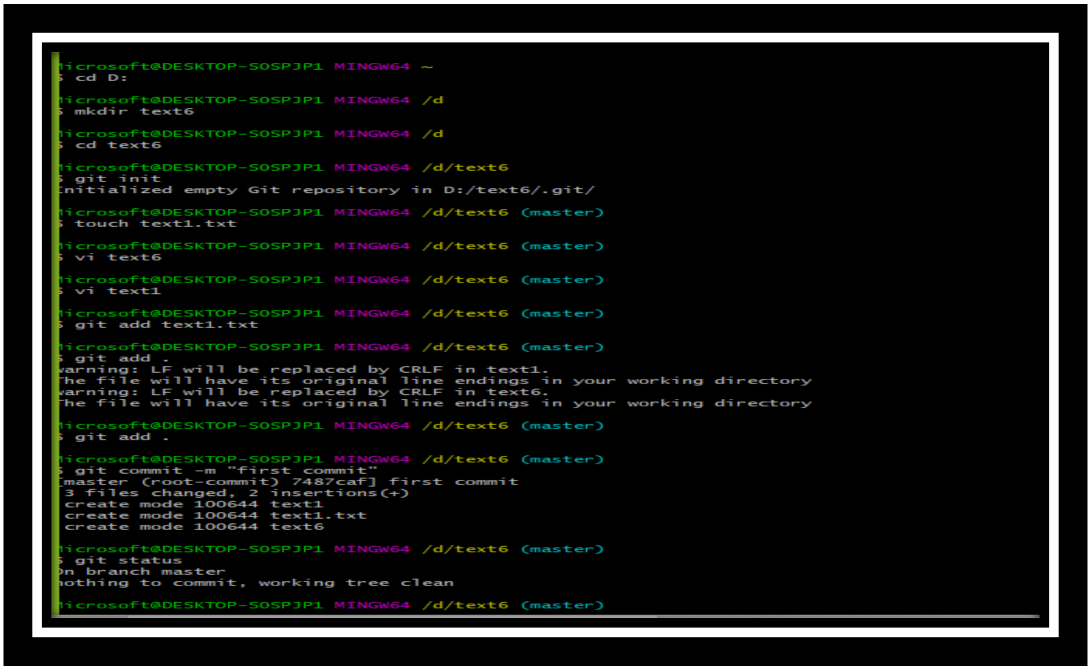


```
my name is gurpreet singh.         | my nam | my name is gurpreet singh.
i study in chitkara university.    |        | I am a student of computer science.

./file_LOCAL_1099.txt [dos] (11:22 01/06/2022)   3,0-1 All <1,1 All ./file_REMOTE_1099.txt [dos] (11:22 01/06/2022)   3,0-1 All
```

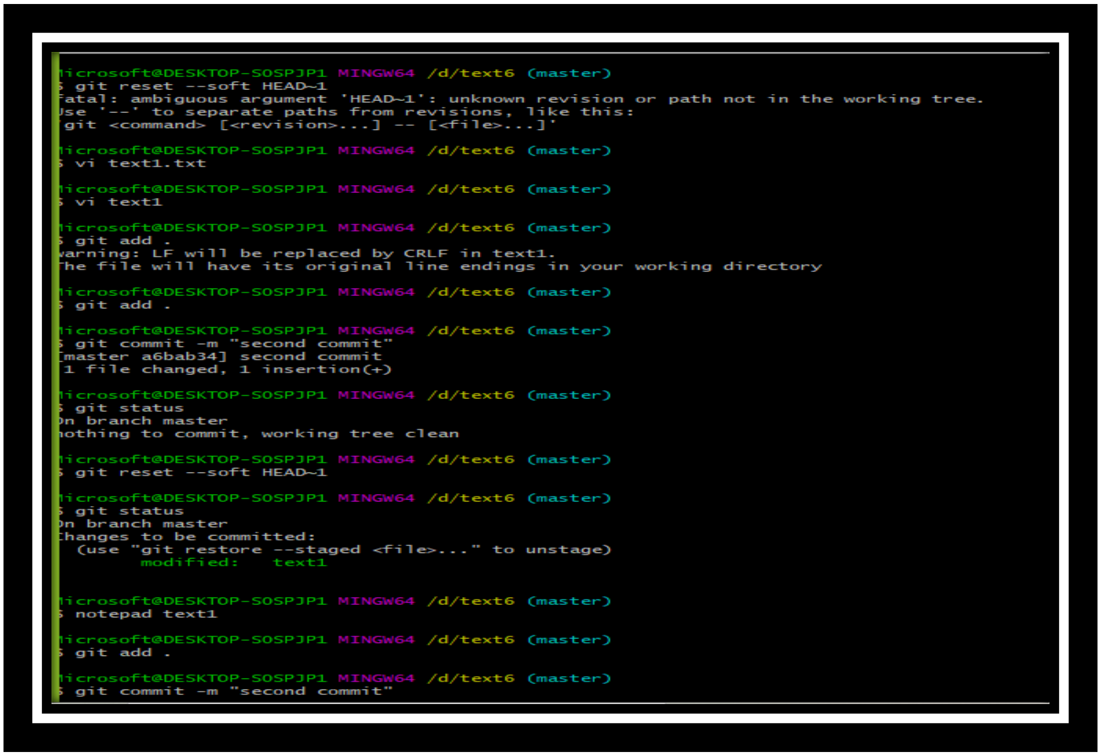
4. <u>Git Reset :-</u> Git reset is a powerful command that is used to undo local changes to the state of a Git repo. Git reset operates on "The Three Trees of Git". These trees are the Commit History (HEAD), the Staging Index, and the Working Directory.

The easiest way to undo the last Git commit is to execute the “git reset” command with the “–soft” option that will preserve changes done to your files.

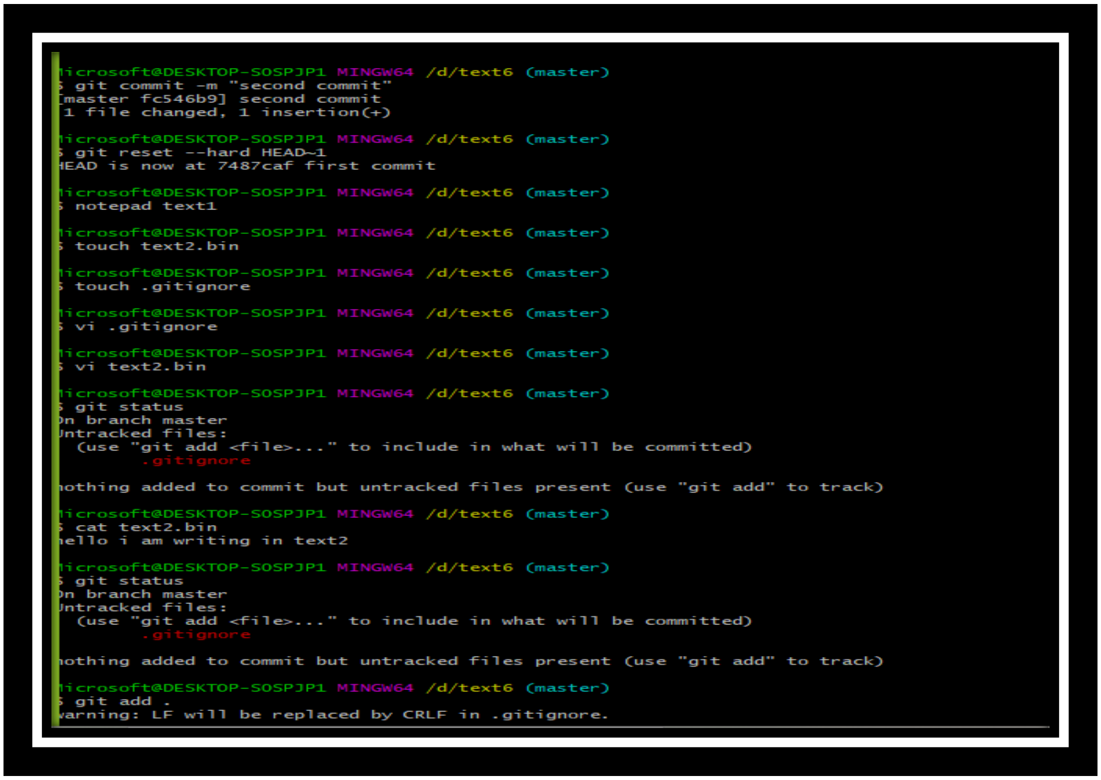
Git reset --hard , which will completely destroy any changes and remove them from the local directory.



```
icrosoft@DESKTOP-SOSPJP1 MINGW64 ~
$ cd D:

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d
$ mkdir text6

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d
$ cd text6

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6
$ git init
nitialized empty Git repository in D:/text6/.git/

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ touch text1.txt

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ vi text6

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ vi text1

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git add text1.txt

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git add .
arning: LF will be replaced by CRLF in text1.
he file will have its original line endings in your working directory
arning: LF will be replaced by CRLF in text6.
he file will have its original line endings in your working directory

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git add .

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git commit -m "first commit"
[master (root-commit) 7487caf] first commit
 3 files changed, 2 insertions(+)
 create mode 100644 text1
 create mode 100644 text1.txt
 create mode 100644 text6

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git status
n branch master
othing to commit, working tree clean

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
```

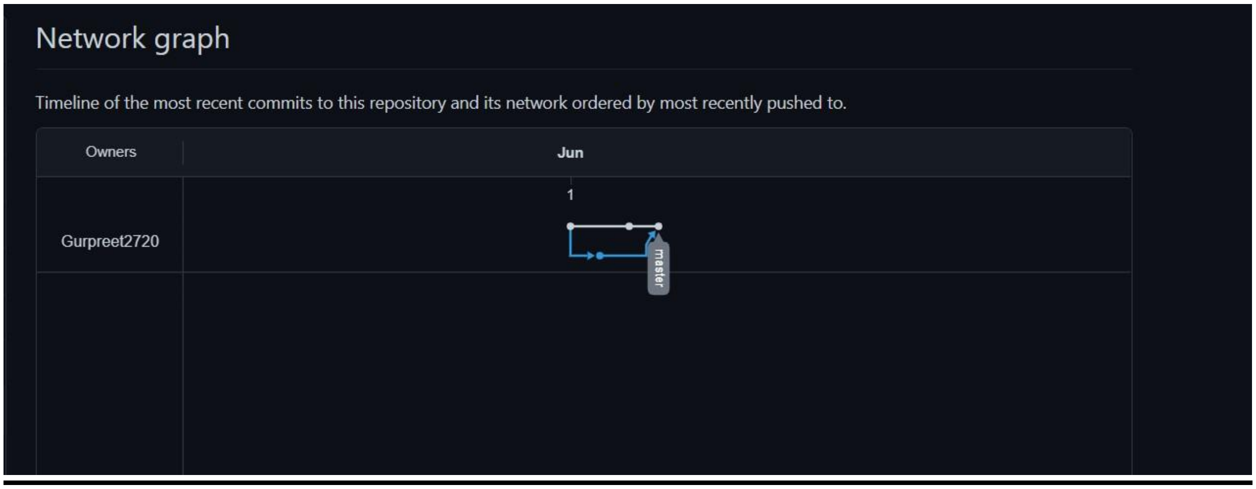


```
icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git reset --soft HEAD~1
atal: ambiguous argument 'HEAD~1': unknown revision or path not in the working tree.
se '--' to separate paths from revisions, like this:
git <command> [<revision>...] -- [<file>...]'

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ vi text1.txt

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ vi text1

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git add .
arning: LF will be replaced by CRLF in text1.
he file will have its original line endings in your working directory

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git add .

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git commit -m "second commit"
[master a6bab34] second commit
 1 file changed, 1 insertion(+)

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git status
n branch master
othing to commit, working tree clean

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git reset --soft HEAD~1

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git status
n branch master
hanges to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   text1


icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ notepad text1

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git add .

icrosoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git commit -m "second commit"
```



```
Microsoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git commit -m "second commit"
[master fc546b9] second commit
 1 file changed, 1 insertion(+)

Microsoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git reset --hard HEAD~1
HEAD is now at 7487caf first commit

Microsoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ notepad text1

Microsoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ touch text2.bin

Microsoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ touch .gitignore

Microsoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ vi .gitignore

Microsoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ vi text2.bin

Microsoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore

nothing added to commit but untracked files present (use "git add" to track)

Microsoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ cat text2.bin
hello i am writing in text2

Microsoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore

nothing added to commit but untracked files present (use "git add" to track)

Microsoft@DESKTOP-SOSPJP1 MINGW64 /d/text6 (master)
$ git add .
warning: LF will be replaced by CRLF in .gitignore.
```

Network Graph of task 1.2



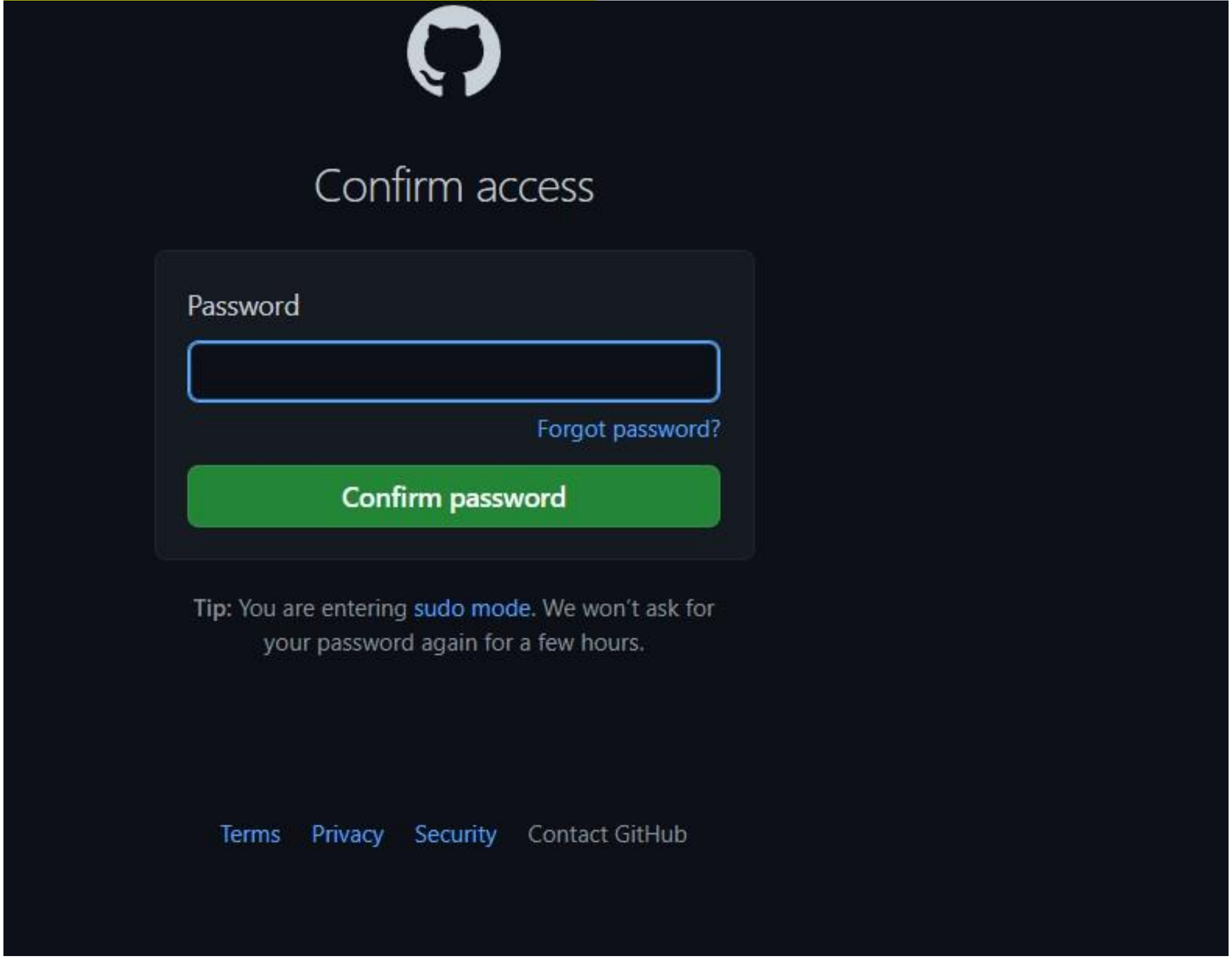
Network graph

Timeline of the most recent commits to this repository and its network ordered by most recently pushed to.

Project work

1.Pushed my project based on a Food website on git hub from where my team members forked it on their systems to complete the code and added collaborators.
2.Firstly My team member Hamza(2110990540) styled the login page using Css and after that I merged the styling with my code.Below are the screenshots of login page after and before the merging.

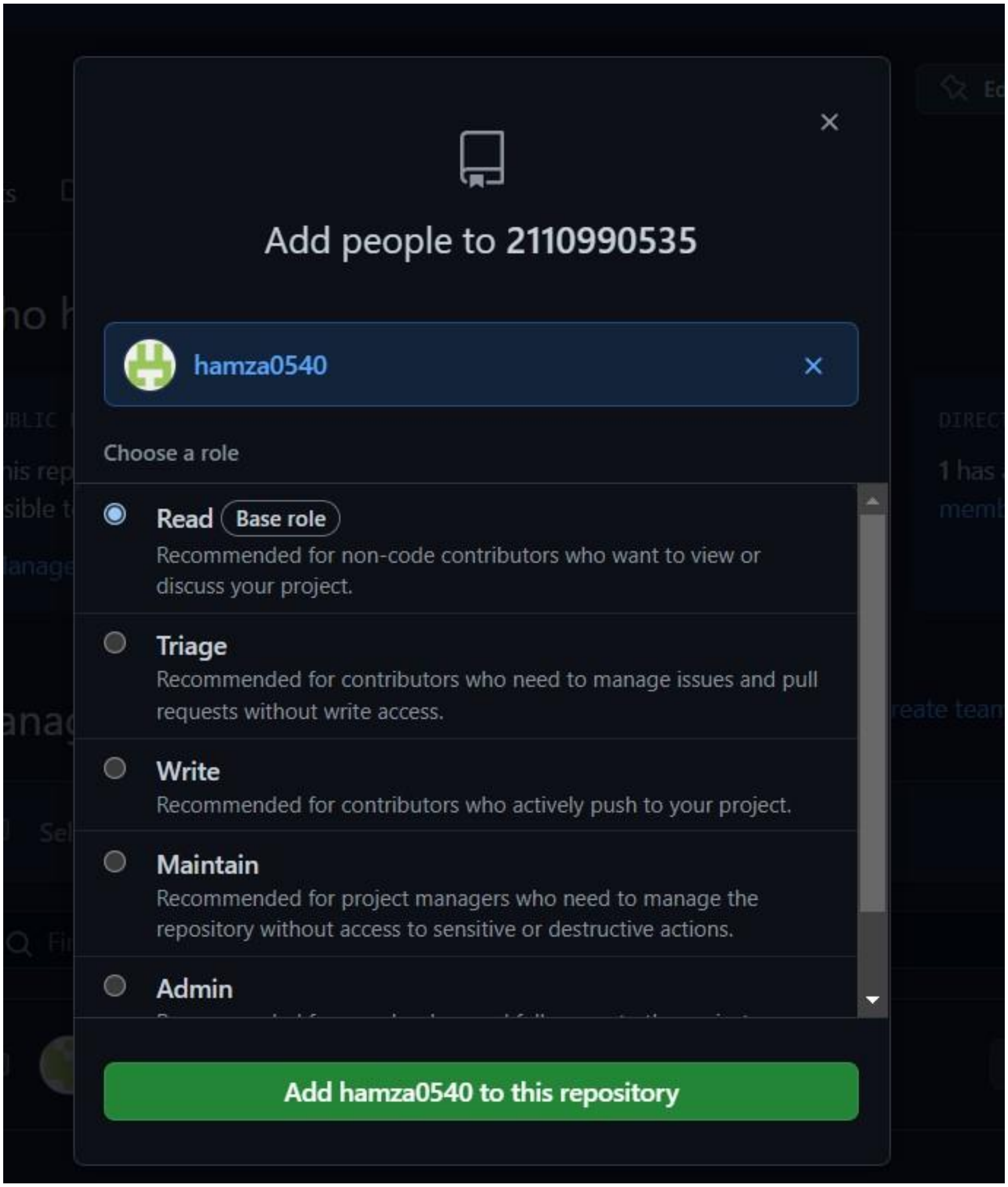
Screen shot 0f collaborators:-



Confirm access

Password

Tip: You are entering sudo mode. We won't ask for your password again for a few hours.



Add people to 2110990535

hamza0540

Choose a role

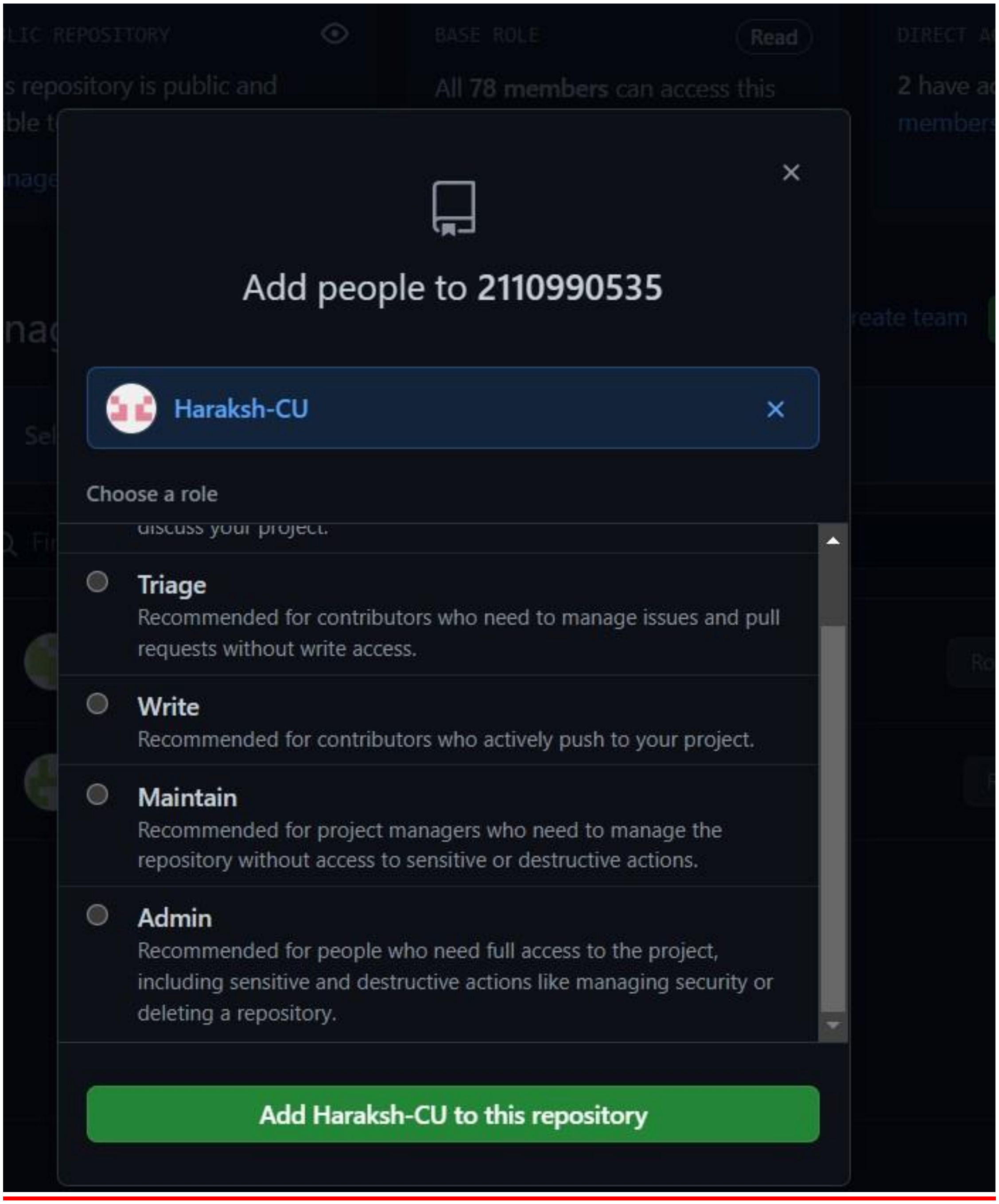
● **Read** Base role
Recommended for non-code contributors who want to view or discuss your project.

○ **Triage**
Recommended for contributors who need to manage issues and pull requests without write access.

○ **Write**
Recommended for contributors who actively push to your project.

○ **Maintain**
Recommended for project managers who need to manage the repository without access to sensitive or destructive actions.

○ **Admin**



Add people to 2110990535

Haraksh-CU ×

Choose a role

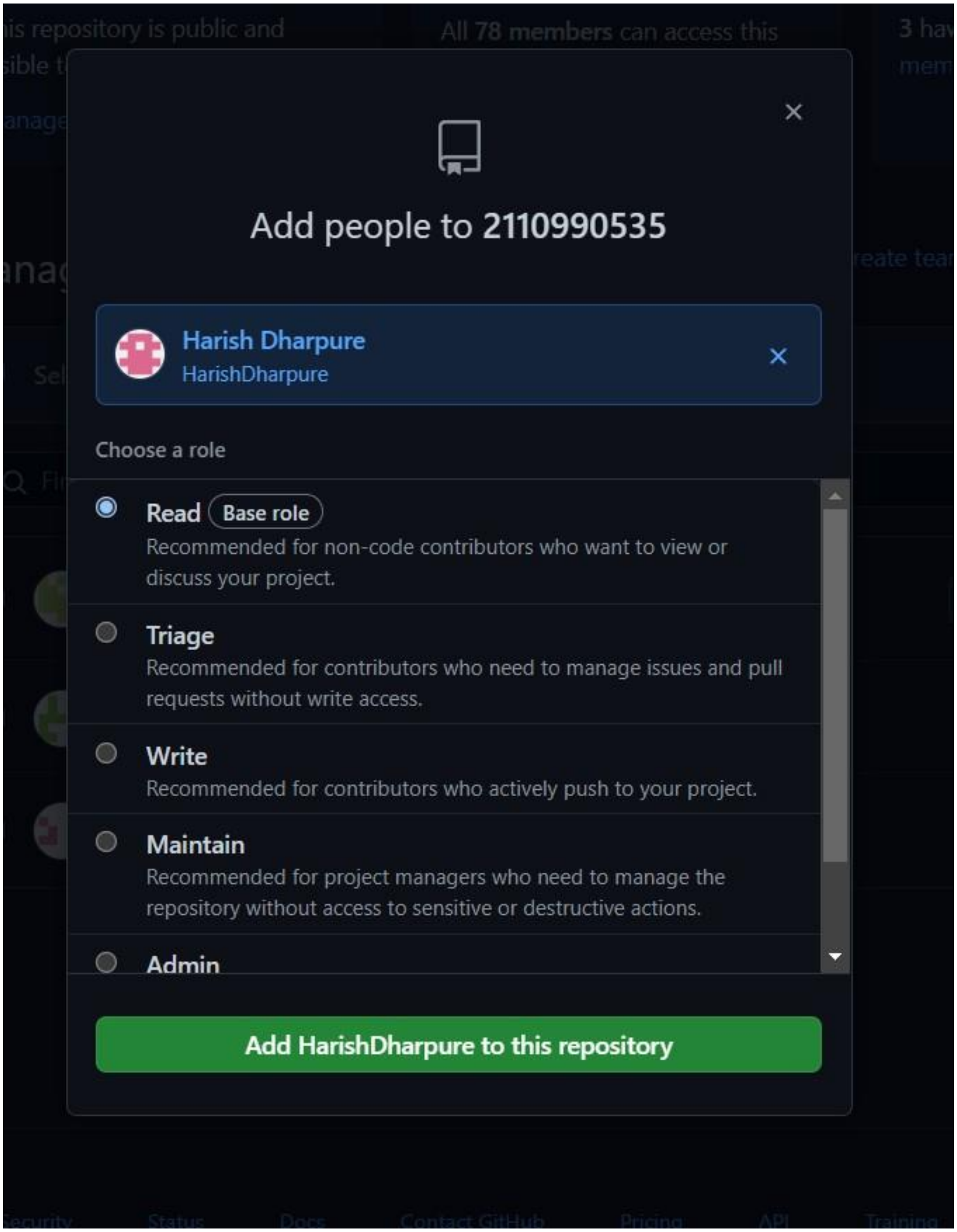
discuss your project.

○ **Triage**
Recommended for contributors who need to manage issues and pull requests without write access.

○ **Write**
Recommended for contributors who actively push to your project.

○ **Maintain**
Recommended for project managers who need to manage the repository without access to sensitive or destructive actions.

○ **Admin**
Recommended for people who need full access to the project, including sensitive and destructive actions like managing security or deleting a repository.



Add people to 2110990535

Harish Dharpure
HarishDharpure

Choose a role

● Read Base role
Recommended for non-code contributors who want to view or discuss your project.

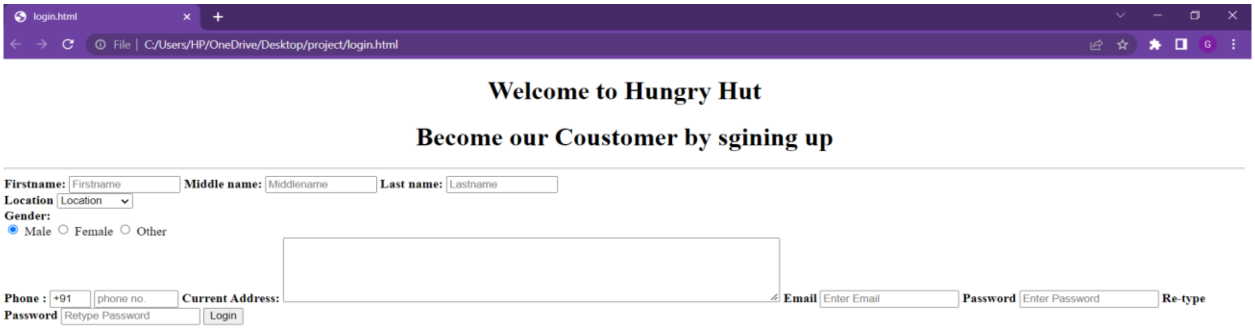
○ Triage
Recommended for contributors who need to manage issues and pull requests without write access.

○ Write
Recommended for contributors who actively push to your project.

○ Maintain
Recommended for project managers who need to manage the repository without access to sensitive or destructive actions.

○ Admin

Before styling:-

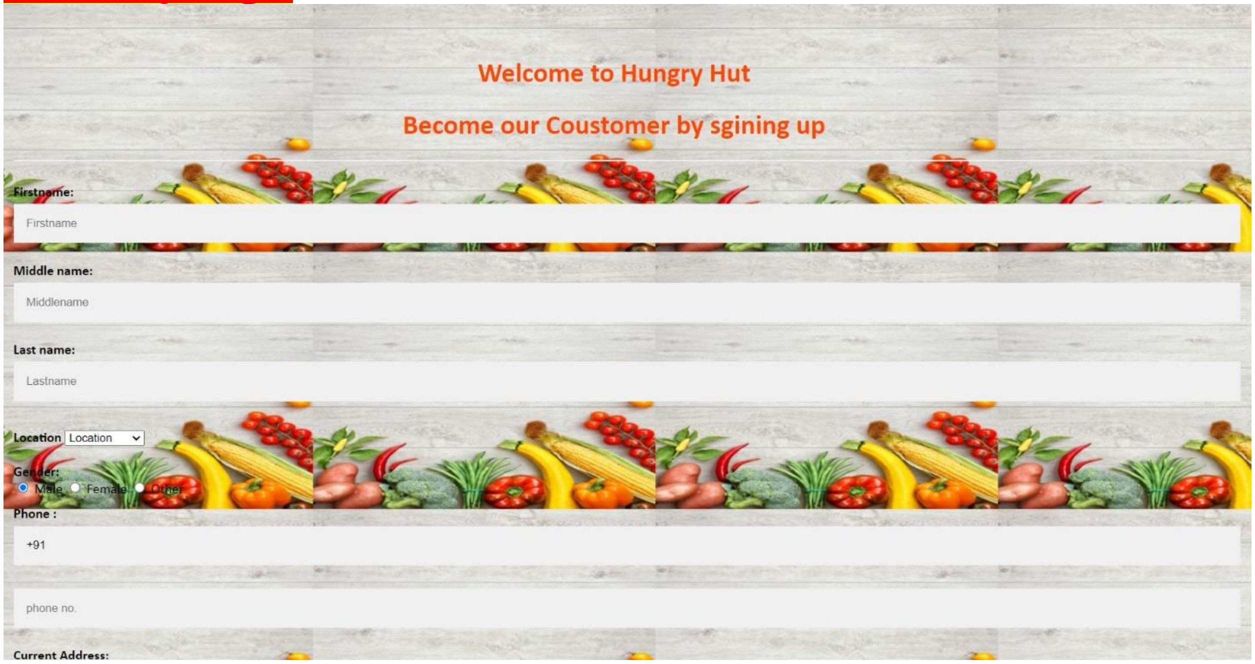


Welcome to Hungry Hut

Become our Coustomer by sgining up

Firstname: Firstname Middle name: Middlename Last name: Lastname
Location Location
Gender:
● Male ○ Female ○ Other
Phone : +91 phone no. Current Address: Email Enter Email Password Enter Password Re-type Password Retype Password Login

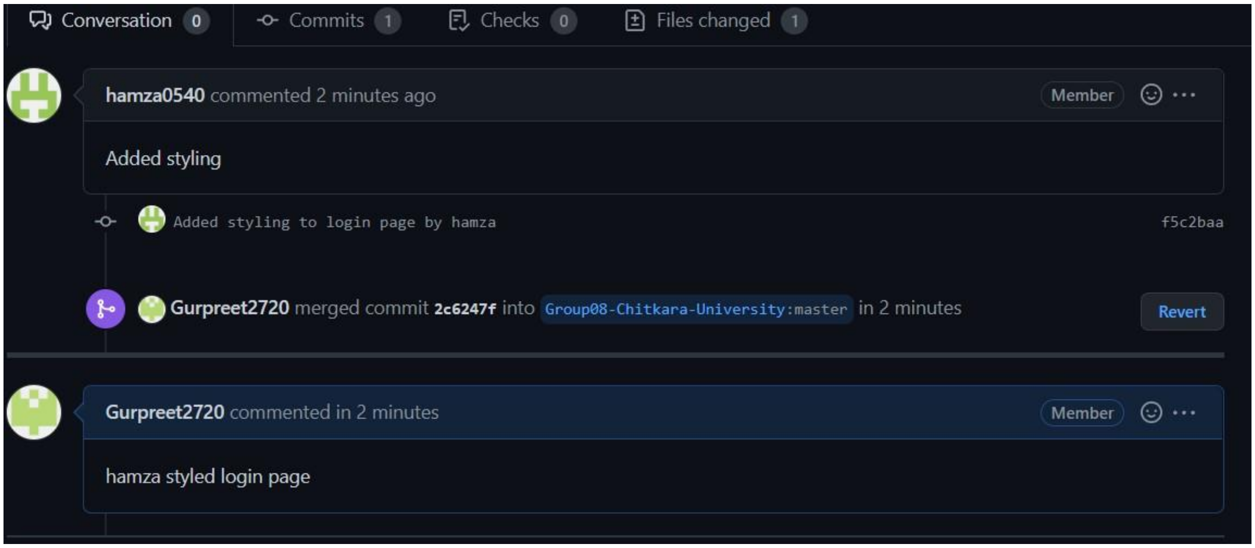
After styling:-



Welcome to Hungry Hut

Become our Coustomer by sgining up

Firstname:
Firstname
Middle name:
Middlename
Last name:
Lastname
Location Location
Gender:
● Male ○ Female ○ Other
Phone :
+91
phone no.
Current Address:



hamza0540 commented 2 minutes ago

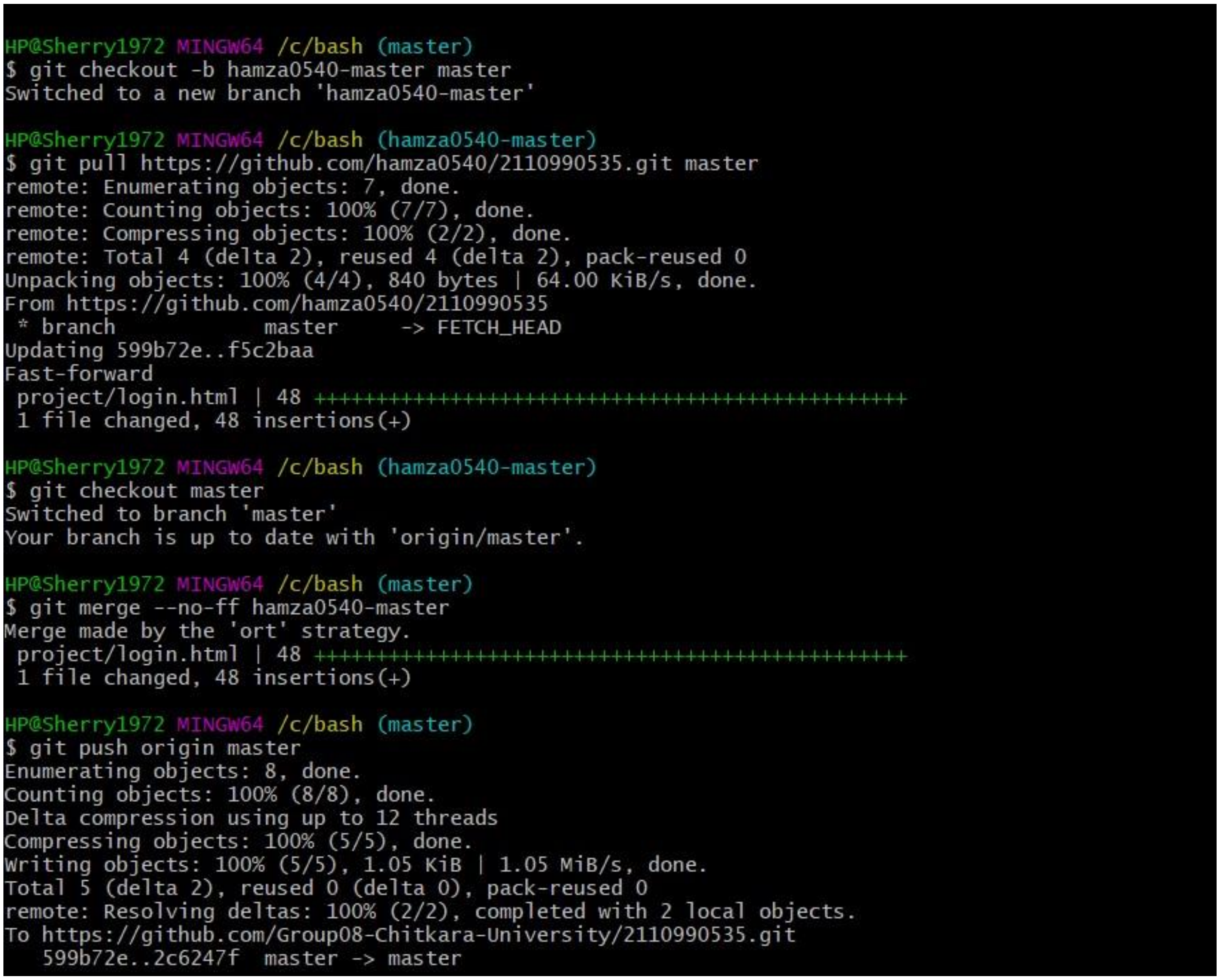
Added styling

Added styling to login page by hamza f5c2baa

Gurpreet2720 merged commit 2c6247f into Group08-Chitkara-University:master in 2 minutes

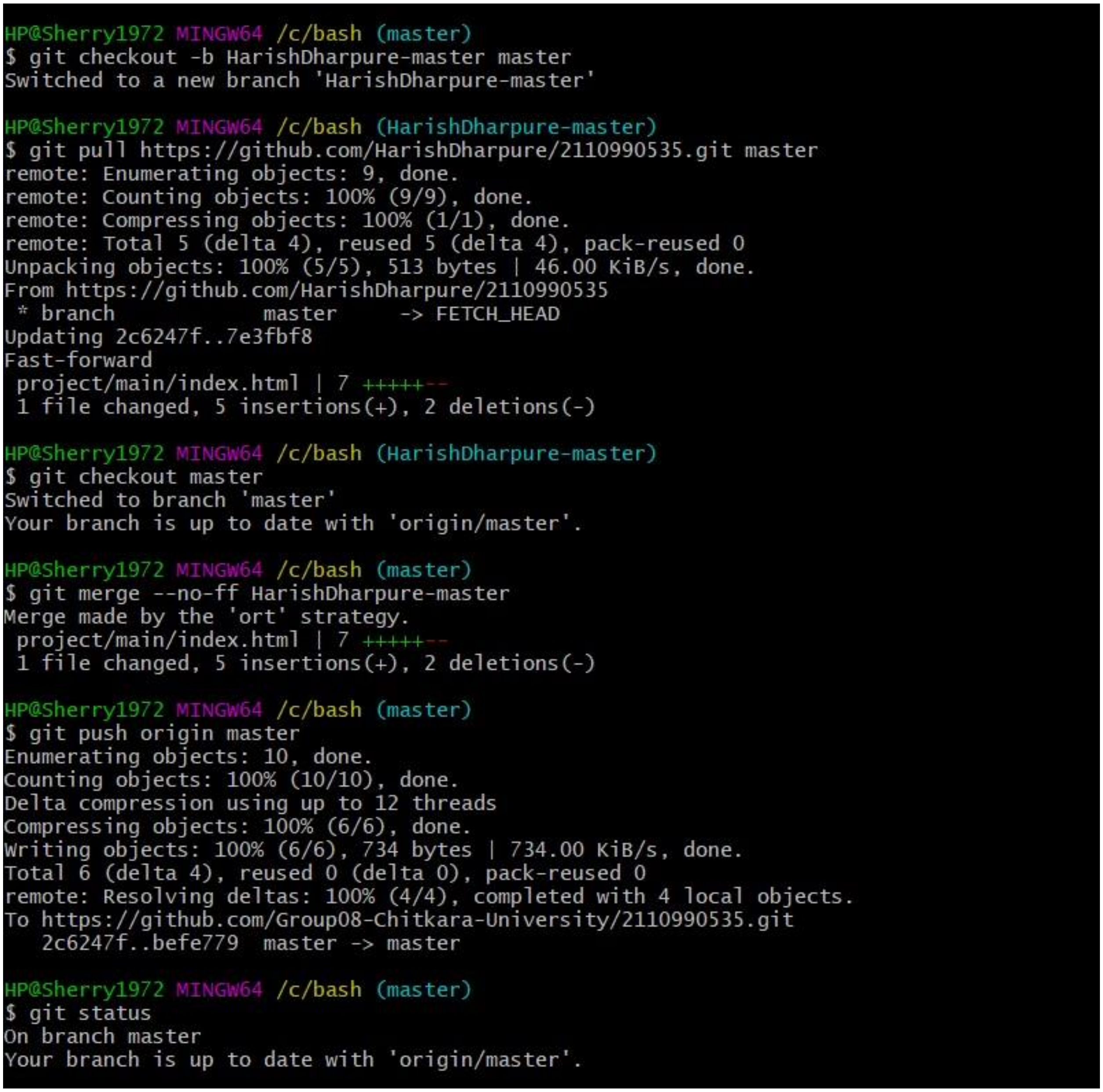
Gurpreet2720 commented in 2 minutes

hamza styled login page

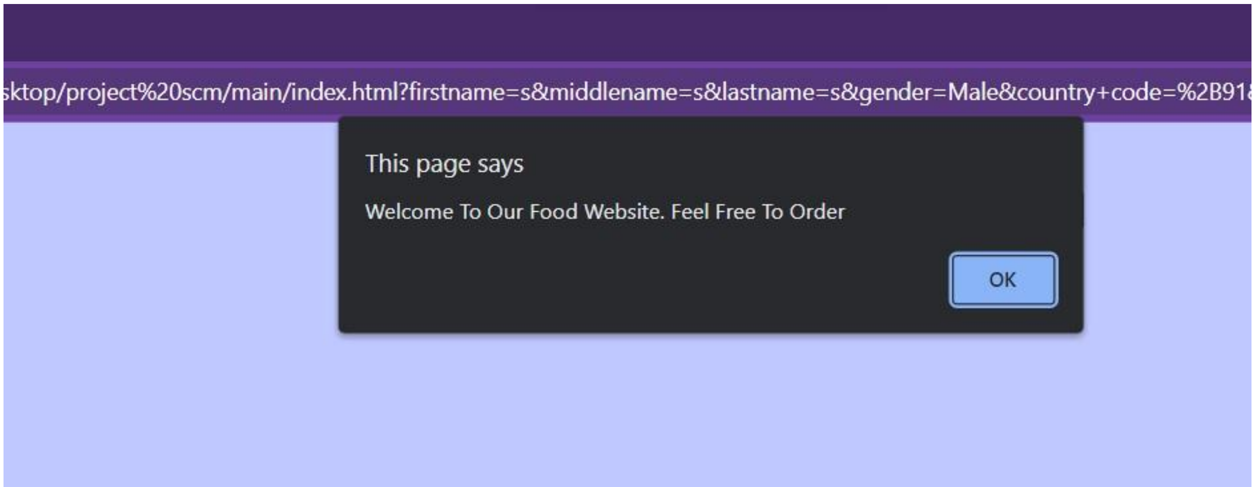


```
HP@Sherry1972 MINGW64 /c/bash (master)
$ git checkout -b hamza0540-master master
Switched to a new branch 'hamza0540-master'

HP@Sherry1972 MINGW64 /c/bash (hamza0540-master)
$ git pull https://github.com/hamza0540/2110990535.git master
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 4 (delta 2), reused 4 (delta 2), pack-reused 0
Unpacking objects: 100% (4/4), 840 bytes | 64.00 KiB/s, done.
From https://github.com/hamza0540/2110990535
 * branch            master     -> FETCH_HEAD
Updating 599b72e..f5c2baa
Fast-forward
 project/login.html | 48 ++++++++++++++++++++++++++++++++++++++++++++++++
 1 file changed, 48 insertions(+)

HP@Sherry1972 MINGW64 /c/bash (hamza0540-master)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

HP@Sherry1972 MINGW64 /c/bash (master)
$ git merge --no-ff hamza0540-master
Merge made by the 'ort' strategy.
 project/login.html | 48 ++++++++++++++++++++++++++++++++++++++++++++++++
 1 file changed, 48 insertions(+)

HP@Sherry1972 MINGW64 /c/bash (master)
$ git push origin master
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 12 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 1.05 KiB | 1.05 MiB/s, done.
Total 5 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/Group08-Chitkara-University/2110990535.git
   599b72e..2c6247f  master -> master
```

3.Harish(2110990549) added a alert box in website by using Javascript after we are logged into website. Below are some screenshots of work done.



```
HP@Sherry1972 MINGW64 /c/bash (master)
$ git checkout -b HarishDharpure-master master
Switched to a new branch 'HarishDharpure-master'

HP@Sherry1972 MINGW64 /c/bash (HarishDharpure-master)
$ git pull https://github.com/HarishDharpure/2110990535.git master
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 5 (delta 4), reused 5 (delta 4), pack-reused 0
Unpacking objects: 100% (5/5), 513 bytes | 46.00 KiB/s, done.
From https://github.com/HarishDharpure/2110990535
 * branch            master     -> FETCH_HEAD
Updating 2c6247f..7e3fbf8
Fast-forward
 project/main/index.html | 7 +++++--
 1 file changed, 5 insertions(+), 2 deletions(-)

HP@Sherry1972 MINGW64 /c/bash (HarishDharpure-master)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

HP@Sherry1972 MINGW64 /c/bash (master)
$ git merge --no-ff HarishDharpure-master
Merge made by the 'ort' strategy.
 project/main/index.html | 7 +++++--
 1 file changed, 5 insertions(+), 2 deletions(-)

HP@Sherry1972 MINGW64 /c/bash (master)
$ git push origin master
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 12 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 734 bytes | 734.00 KiB/s, done.
Total 6 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), completed with 4 local objects.
To https://github.com/Group08-Chitkara-University/2110990535.git
   2c6247f..befe779  master -> master

HP@Sherry1972 MINGW64 /c/bash (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.
```

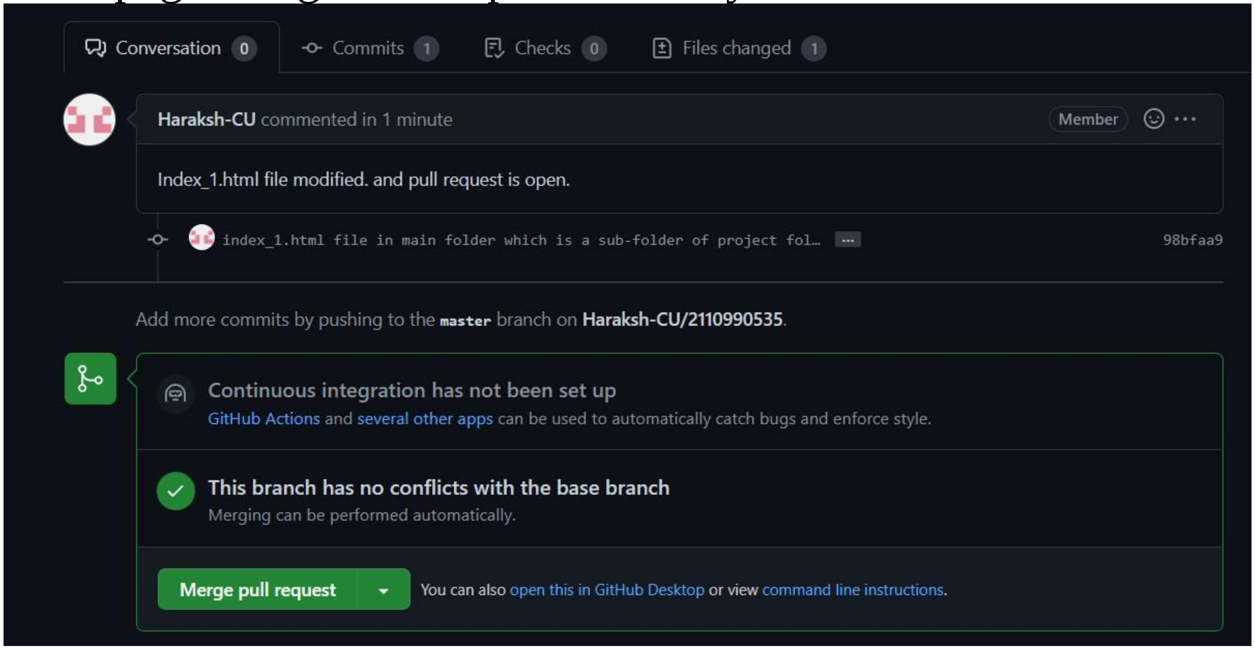


sktop/project%20scm/main/index.html?firstname=s&middlename=s&lastname=s&gender=Male&country+code=%2B91

This page says

Welcome To Our Food Website. Feel Free To Order

4.Lastely Haraksh(2110990541) added countdown Timer in my deals page using Javascript and has styled it also.



Haraksh-CU commented in 1 minute

Index_1.html file modified. and pull request is open.

index_1.html file in main folder which is a sub-folder of project fol… 98bfaa9

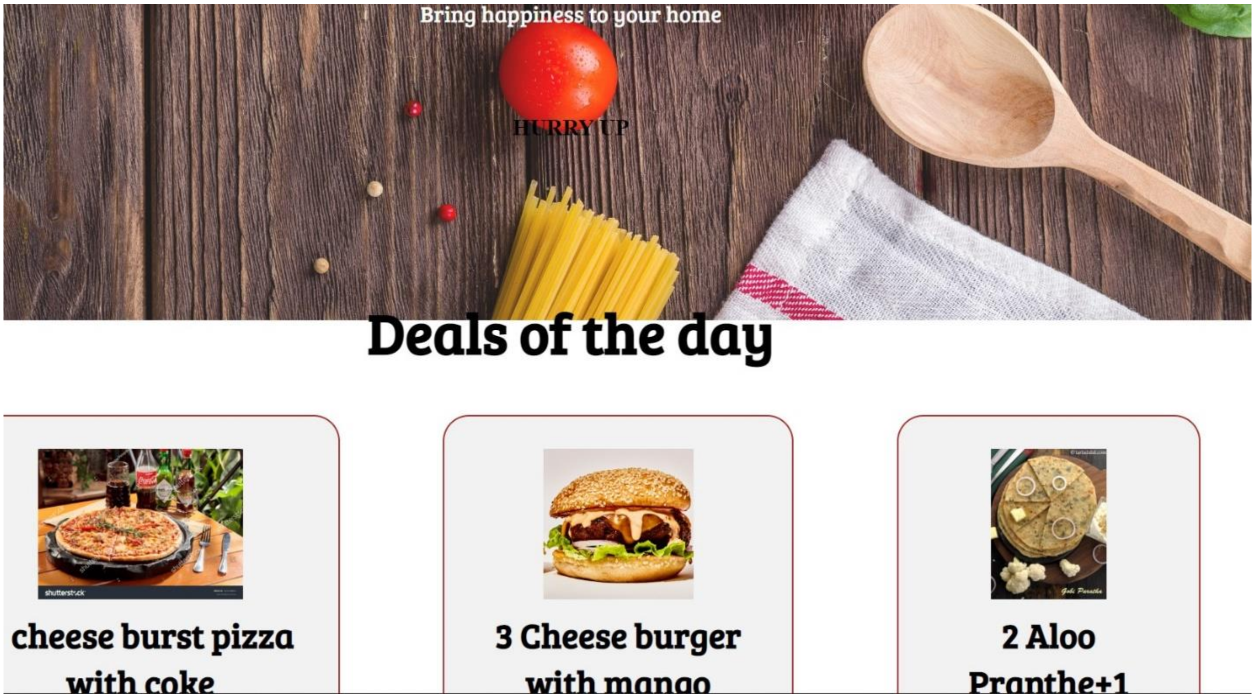
Add more commits by pushing to the master branch on Haraksh-CU/2110990535.

Continuous integration has not been set up
GitHub Actions and several other apps can be used to automatically catch bugs and enforce style.

This branch has no conflicts with the base branch
Merging can be performed automatically.

You can also open this in GitHub Desktop or view command line instructions.

Before adding Javascript



Bring happiness to your home

HURRY UP

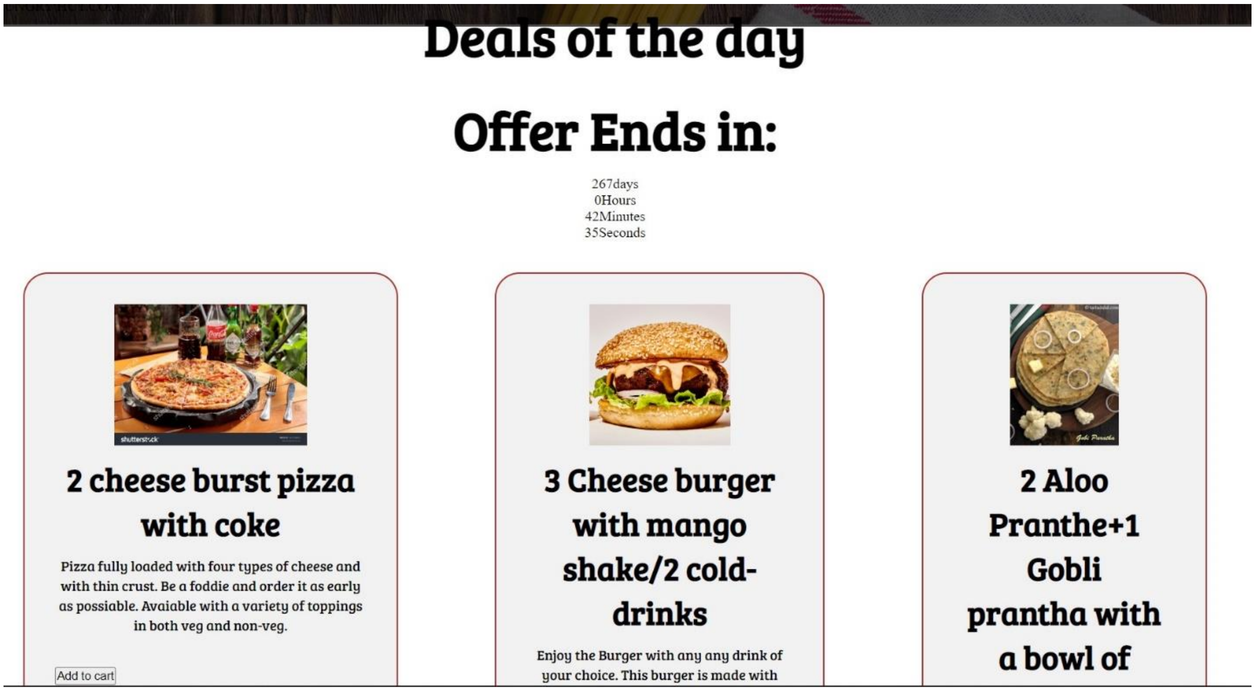
Deals of the day

cheese burst pizza with coke

3 Cheese burger with mango

2 Aloo Pranthe+1

After adding Javascript



Deals of the day

Offer Ends in:

```
267days
0Hours
42Minutes
35Seconds
```

2 cheese burst pizza with coke

Pizza fully loaded with four types of cheese and with thin crust. Be a foddie and order it as early as possiable. Avaiable with a variety of toppings in both veg and non-veg.

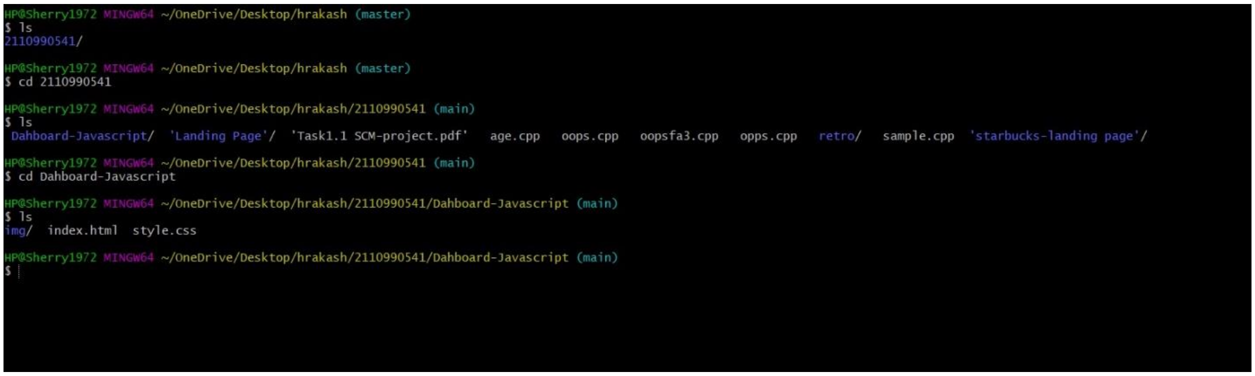
3 Cheese burger with mango shake/2 cold-drinks

Enjoy the Burger with any any drink of your choice. This burger is made with

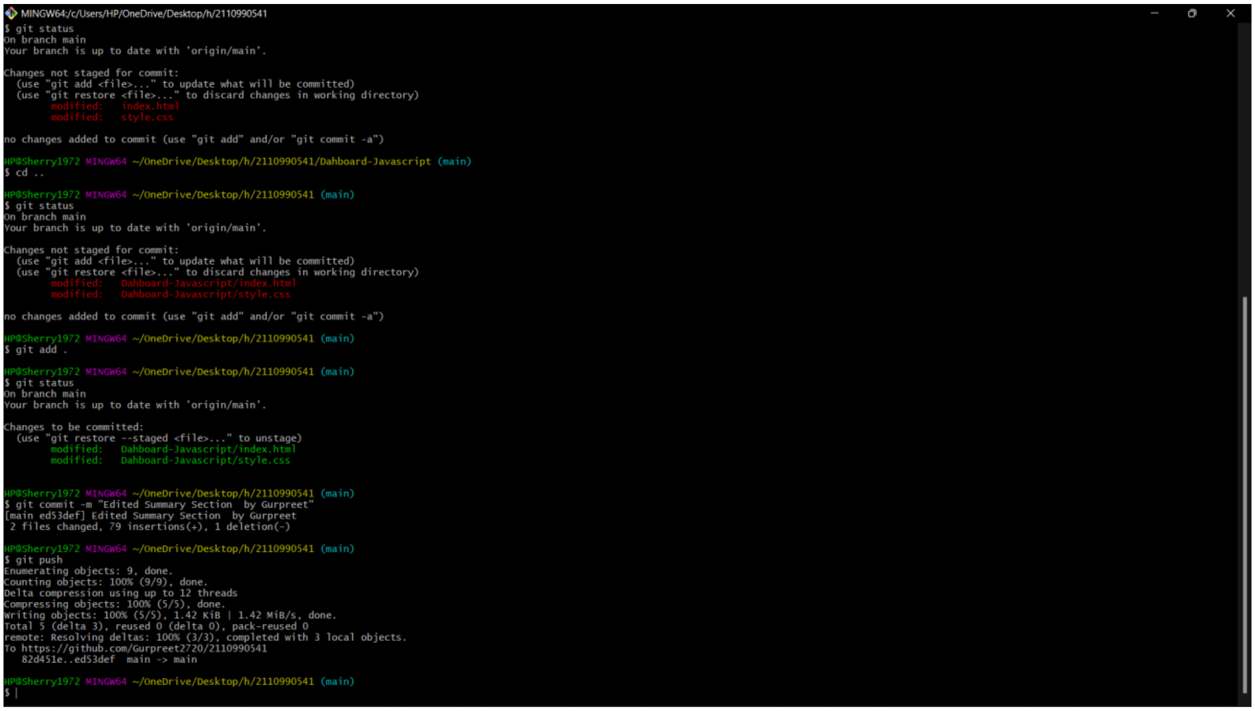
2 Aloo Pranthe+1 Gobli prantha with a bowl of

Code added by me into my team members Repositories

Firstly I forked my team member Haraksh(2110990541) repository into my system and after that added my code to his project in summary section and also styled it using Css. Below are some screenshots of the work done.

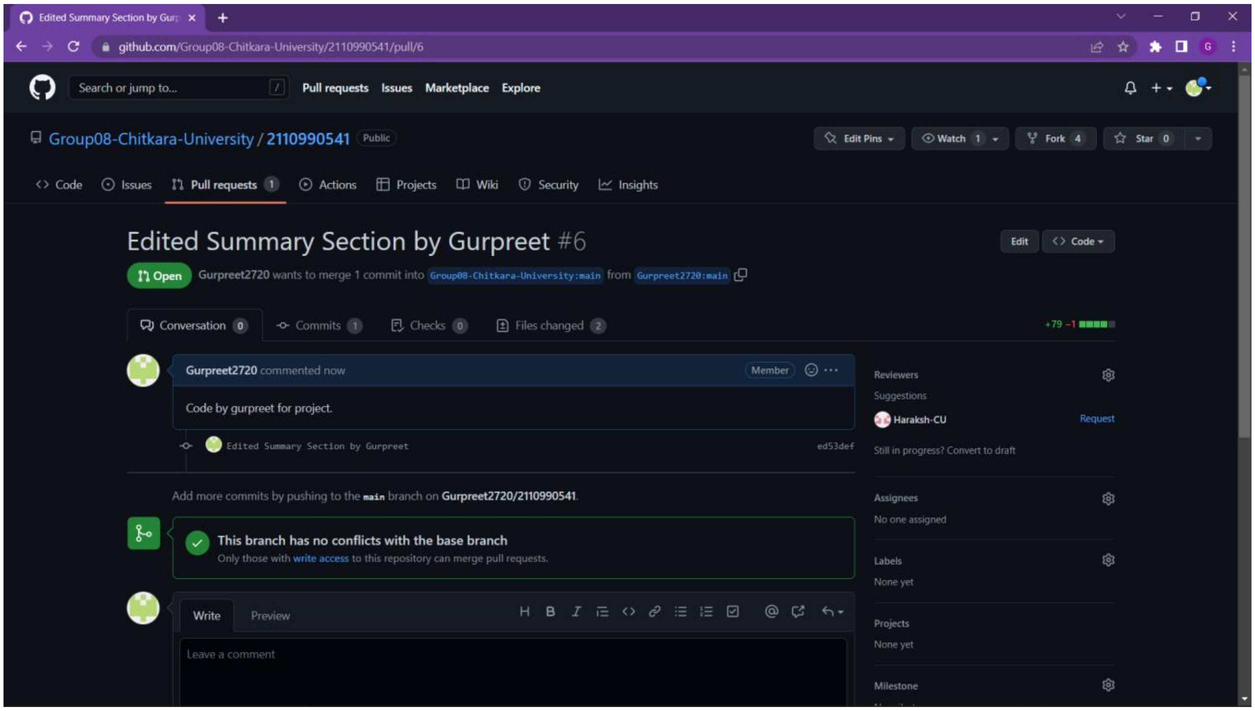


```
HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/hrakash (master)
$ ls
2110990541/

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/hrakash (master)
$ cd 2110990541

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/hrakash/2110990541 (main)
$ ls
 Dahboard-Javascript/  'Landing Page'/  'Task1.1 SCM-project.pdf'   age.cpp   oops.cpp   oopsfa3.cpp   opps.cpp   retro/   sample.cpp  'starbucks-landing page'/

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/hrakash/2110990541 (main)
$ cd Dahboard-Javascript

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/hrakash/2110990541/Dahboard-Javascript (main)
$ ls
img/  index.html  style.css

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/hrakash/2110990541/Dahboard-Javascript (main)
$ |
```



MINGW64:/c/Users/HP/OneDrive/Desktop/h/2110990541

```
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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:   index.html
        modified:   style.css

no changes added to commit (use "git add" and/or "git commit -a")

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/h/2110990541/Dahboard-Javascript (main)
$ cd ..

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/h/2110990541 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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:   Dahboard-Javascript/index.html
        modified:   Dahboard-Javascript/style.css

no changes added to commit (use "git add" and/or "git commit -a")

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/h/2110990541 (main)
$ git add .

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/h/2110990541 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   Dahboard-Javascript/index.html
        modified:   Dahboard-Javascript/style.css


HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/h/2110990541 (main)
$ git commit -m "Edited Summary Section  by Gurpreet"
[main ed53def] Edited Summary Section  by Gurpreet
 2 files changed, 79 insertions(+), 1 deletion(-)

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/h/2110990541 (main)
$ git push
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 12 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 1.42 KiB | 1.42 MiB/s, done.
Total 5 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To https://github.com/Gurpreet2720/2110990541
   82d451e..ed53def  main -> main

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/h/2110990541 (main)
$ |
```



Edited Summary Section by Gurpreet #6

Open Gurpreet2720 wants to merge 1 commit into `Group08-Chitkara-University:main` from `Gurpreet2720:main`

Conversation 0 | Commits 1 | Checks 0 | Files changed 2 | +79 −1

Gurpreet2720 commented now — Member

Code by gurpreet for project.

`Edited Summary Section by Gurpreet` ed53def

Add more commits by pushing to the `main` branch on Gurpreet2720/2110990541.

This branch has no conflicts with the base branch
Only those with write access to this repository can merge pull requests.

Reviewers
Suggestions
Haraksh-CU — Request
Still in progress? Convert to draft

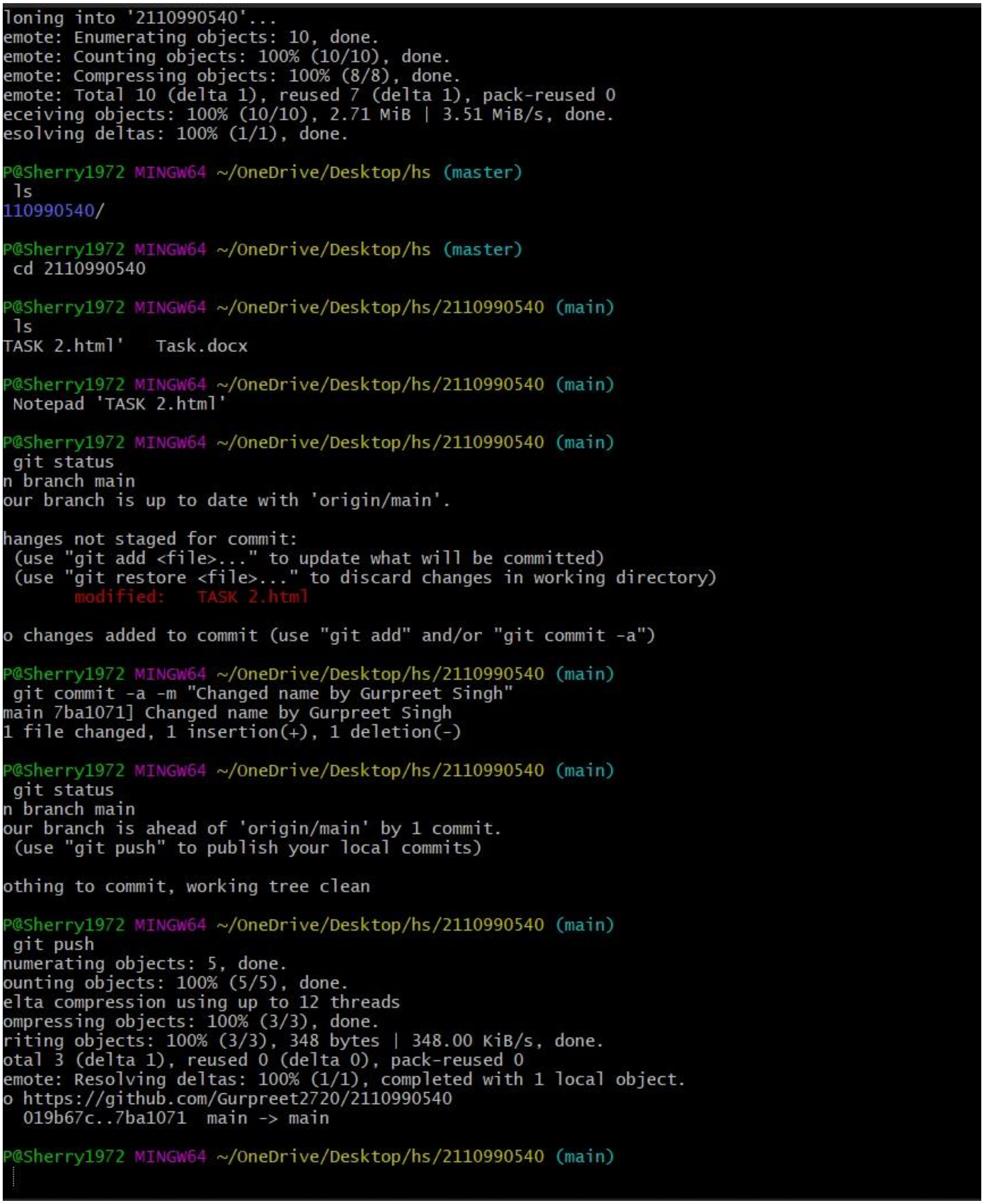
Assignees
No one assigned

Labels
None yet

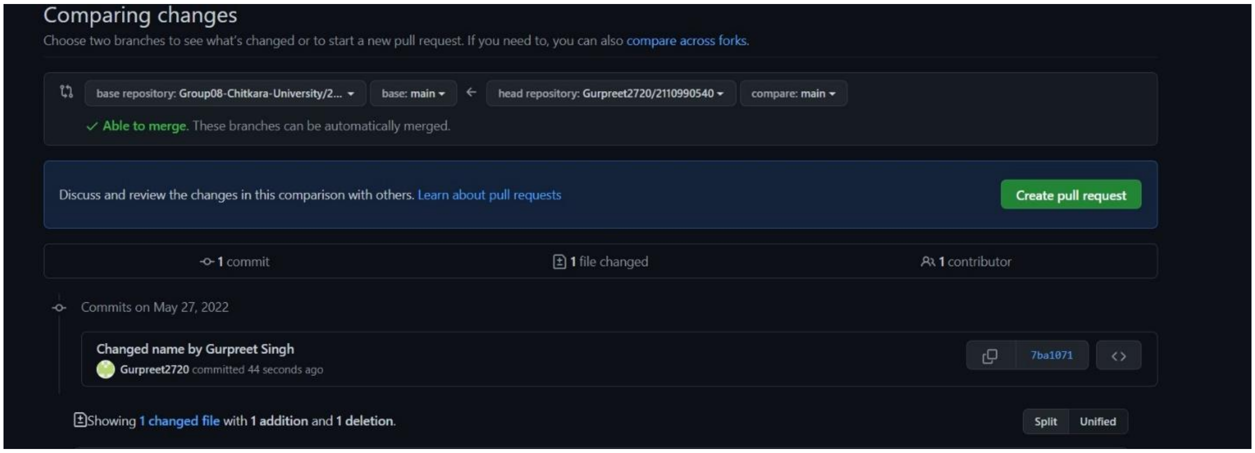
Projects
None yet

Milestone

Next I forked Hamza(2110990540) repo in my system. Below are some screen shots .



```
loning into '2110990540'...
emote: Enumerating objects: 10, done.
emote: Counting objects: 100% (10/10), done.
emote: Compressing objects: 100% (8/8), done.
emote: Total 10 (delta 1), reused 7 (delta 1), pack-reused 0
eceiving objects: 100% (10/10), 2.71 MiB | 3.51 MiB/s, done.
esolving deltas: 100% (1/1), done.

P@Sherry1972 MINGW64 ~/OneDrive/Desktop/hs (master)
 ls
110990540/

P@Sherry1972 MINGW64 ~/OneDrive/Desktop/hs (master)
 cd 2110990540

P@Sherry1972 MINGW64 ~/OneDrive/Desktop/hs/2110990540 (main)
 ls
TASK 2.html'   Task.docx

P@Sherry1972 MINGW64 ~/OneDrive/Desktop/hs/2110990540 (main)
 Notepad 'TASK 2.html'

P@Sherry1972 MINGW64 ~/OneDrive/Desktop/hs/2110990540 (main)
 git status
n branch main
our branch is up to date with 'origin/main'.

hanges 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:   TASK 2.html

o changes added to commit (use "git add" and/or "git commit -a")

P@Sherry1972 MINGW64 ~/OneDrive/Desktop/hs/2110990540 (main)
 git commit -a -m "Changed name by Gurpreet Singh"
main 7ba1071] Changed name by Gurpreet Singh
1 file changed, 1 insertion(+), 1 deletion(-)

P@Sherry1972 MINGW64 ~/OneDrive/Desktop/hs/2110990540 (main)
 git status
n branch main
our branch is ahead of 'origin/main' by 1 commit.
 (use "git push" to publish your local commits)

othing to commit, working tree clean

P@Sherry1972 MINGW64 ~/OneDrive/Desktop/hs/2110990540 (main)
 git push
numerating objects: 5, done.
ounting objects: 100% (5/5), done.
elta compression using up to 12 threads
ompressing objects: 100% (3/3), done.
riting objects: 100% (3/3), 348 bytes | 348.00 KiB/s, done.
otal 3 (delta 1), reused 0 (delta 0), pack-reused 0
emote: Resolving deltas: 100% (1/1), completed with 1 local object.
o https://github.com/Gurpreet2720/2110990540
  019b67c..7ba1071  main -> main

P@Sherry1972 MINGW64 ~/OneDrive/Desktop/hs/2110990540 (main)
```



Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also compare across forks.

base repository: Group08-Chitkara-University/2... base: main ← head repository: Gurpreet2720/2110990540 compare: main

✓ Able to merge. These branches can be automatically merged.

Discuss and review the changes in this comparison with others. Learn about pull requests

1 commit | 1 file changed | 1 contributor

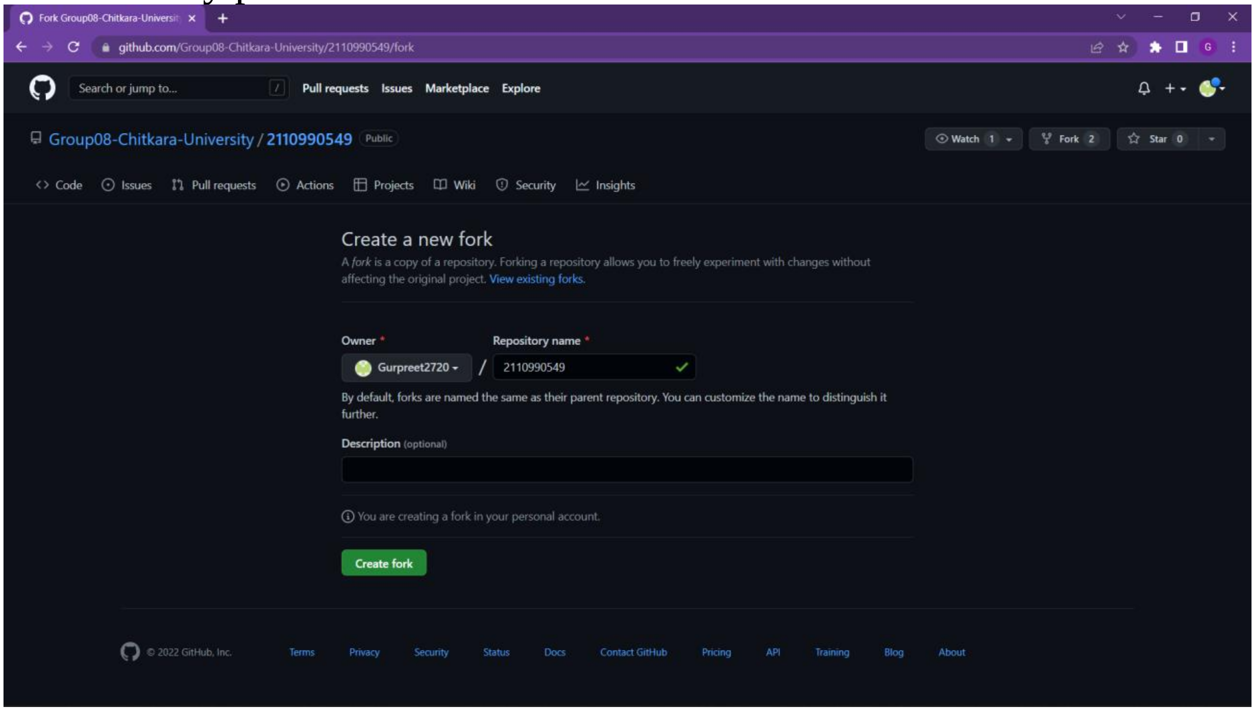
Commits on May 27, 2022

Changed name by Gurpreet Singh
Gurpreet2720 committed 44 seconds ago

7ba1071

Showing 1 changed file with 1 addition and 1 deletion.

Lastly forked Harish(2110990549) repo in my system and added html code in body part.



github.com/Group08-Chitkara-University/2110990549/fork

Group08-Chitkara-University / 2110990549 Public

Create a new fork

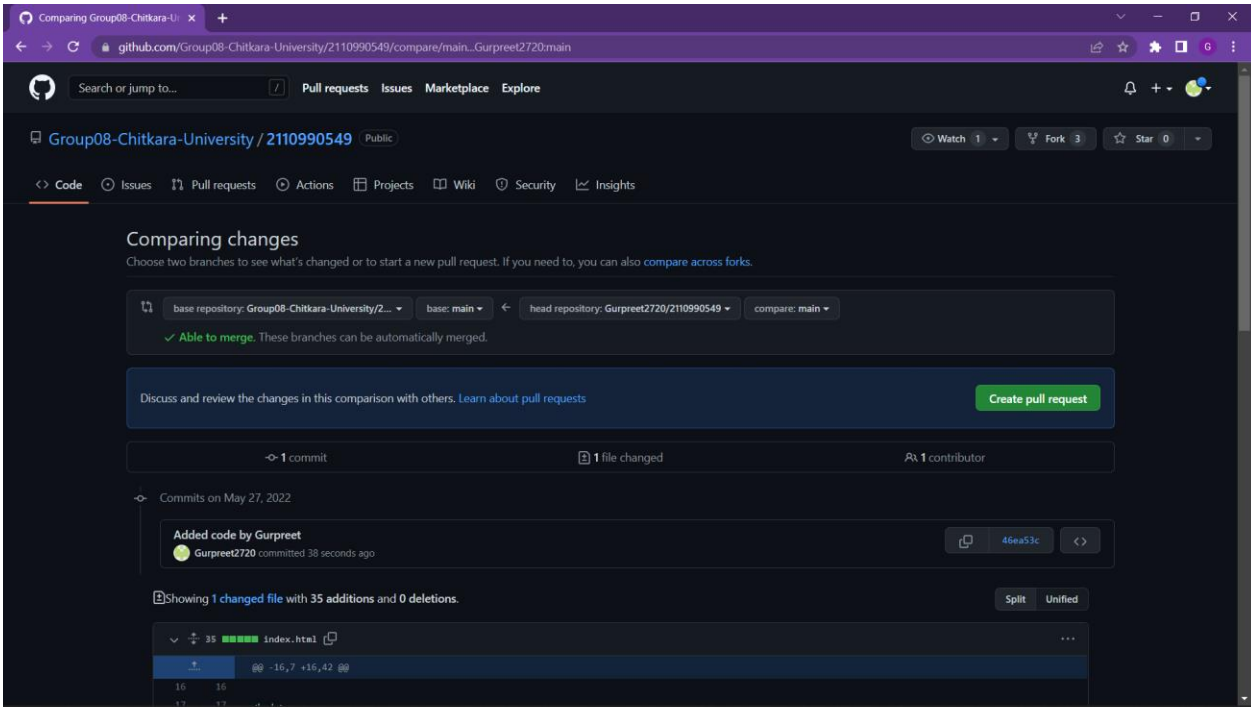
A *fork* is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project. View existing forks.

Owner * Gurpreet2720 / Repository name * 2110990549 ✓

By default, forks are named the same as their parent repository. You can customize the name to distinguish it further.

Description (optional)

ⓘ You are creating a fork in your personal account.


Comparing Group08-Chitkara-U
github.com/Group08-Chitkara-University/2110990549/compare/main...Gurpreet2720:main
Search or jump to...
Pull requests
Issues
Marketplace
Explore
Group08-Chitkara-University / 2110990549
Public
Watch 1
Fork 3
Star 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights

Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also compare across forks.

base repository: Group08-Chitkara-University/2... base: main ← head repository: Gurpreet2720/2110990549 compare: main

✓ Able to merge. These branches can be automatically merged.

Discuss and review the changes in this comparison with others. Learn about pull requests

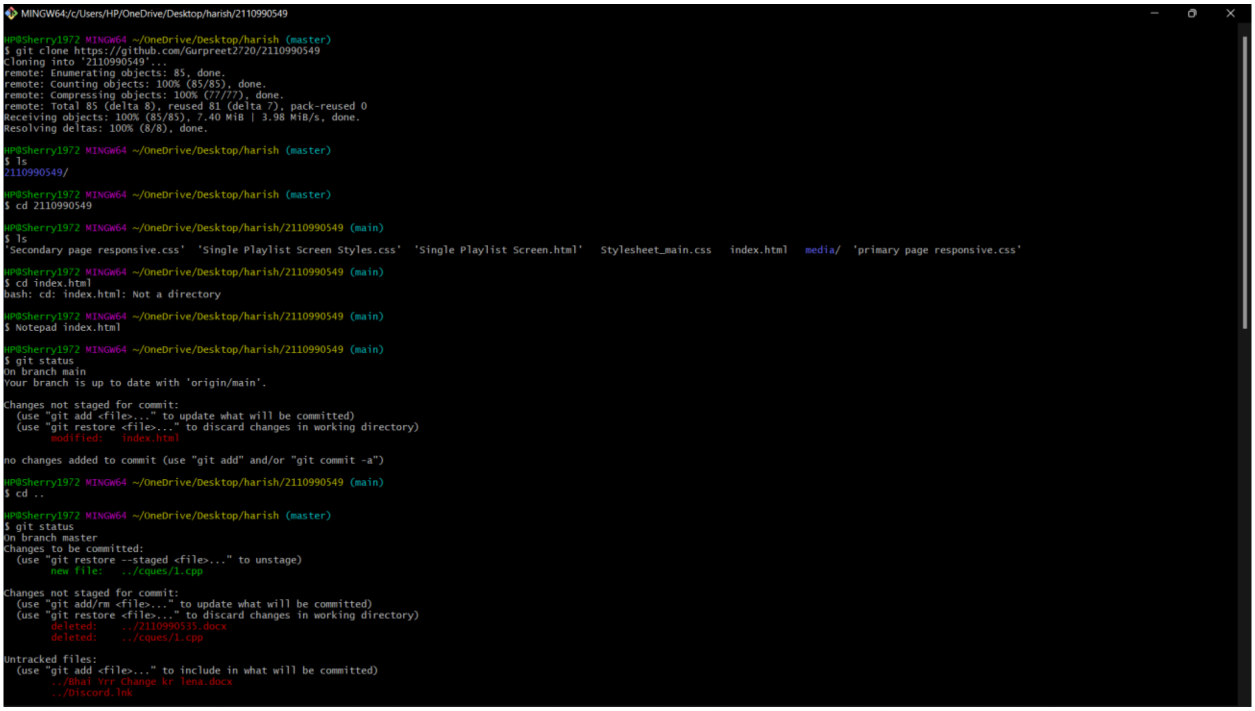
1 commit | 1 file changed | 1 contributor

Commits on May 27, 2022

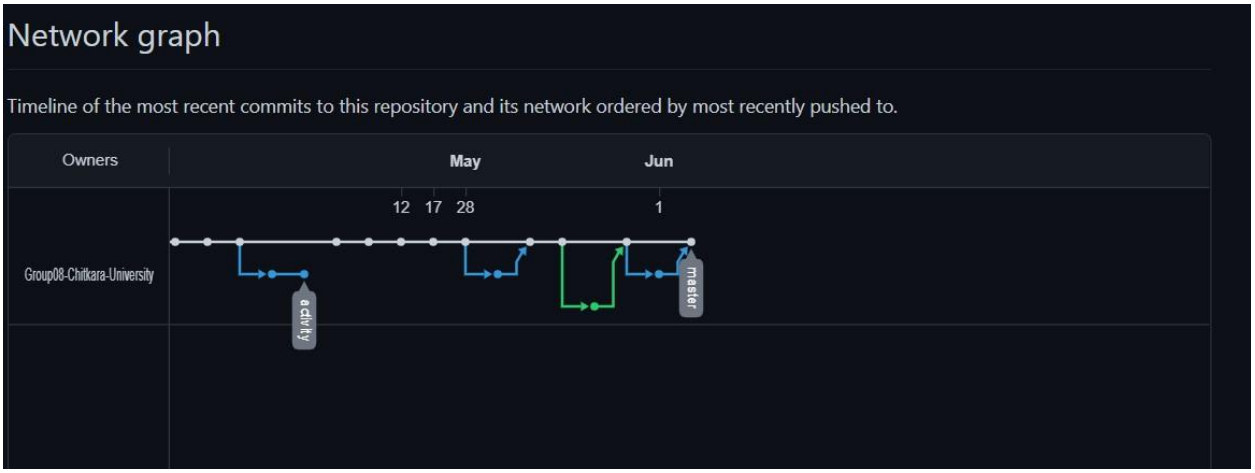
Added code by Gurpreet
Gurpreet2720 committed 38 seconds ago

Showing 1 changed file with 35 additions and 0 deletions.

```
35 index.html
@@ -16,7 +16,42 @@
16    16
```



```
HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/harish (master)
$ git clone https://github.com/Gurpreet2720/2110990549
Cloning into '2110990549'...
remote: Enumerating objects: 85, done.
remote: Counting objects: 100% (85/85), done.
remote: Compressing objects: 100% (77/77), done.
remote: Total 85 (delta 8), reused 81 (delta 7), pack-reused 0
Receiving objects: 100% (85/85), 7.40 MiB | 3.98 MiB/s, done.
Resolving deltas: 100% (8/8), done.

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/harish (master)
$ ls
2110990549/

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/harish (master)
$ cd 2110990549

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/harish/2110990549 (main)
$ ls
'Secondary page responsive.css'  'Single Playlist Screen Styles.css'  'Single Playlist Screen.html'   Stylesheet_main.css   index.html   media/  'primary page responsive.css'

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/harish/2110990549 (main)
$ cd index.html
bash: cd: index.html: Not a directory

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/harish/2110990549 (main)
$ Notepad index.html

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/harish/2110990549 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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:   index.html

no changes added to commit (use "git add" and/or "git commit -a")

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/harish/2110990549 (main)
$ cd ..

HP@Sherry1972 MINGW64 ~/OneDrive/Desktop/harish (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   ../cques/1.cpp

Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    ../2110990535.docx
        deleted:    ../cques/1.cpp

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        ../Bhai Yrr Change kr lena.docx
        ../Discord.lnk
```



Network graph

Timeline of the most recent commits to this repository and its network ordered by most recently pushed to.