

Version Control with Git and GitHub

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18 June 2024

Presentation at Department of Information Technology, D D University,
Short Term Training Program on
“Accelerating DevOps: Transforming Development and Operations”

1



Version Control with Git and GitHub

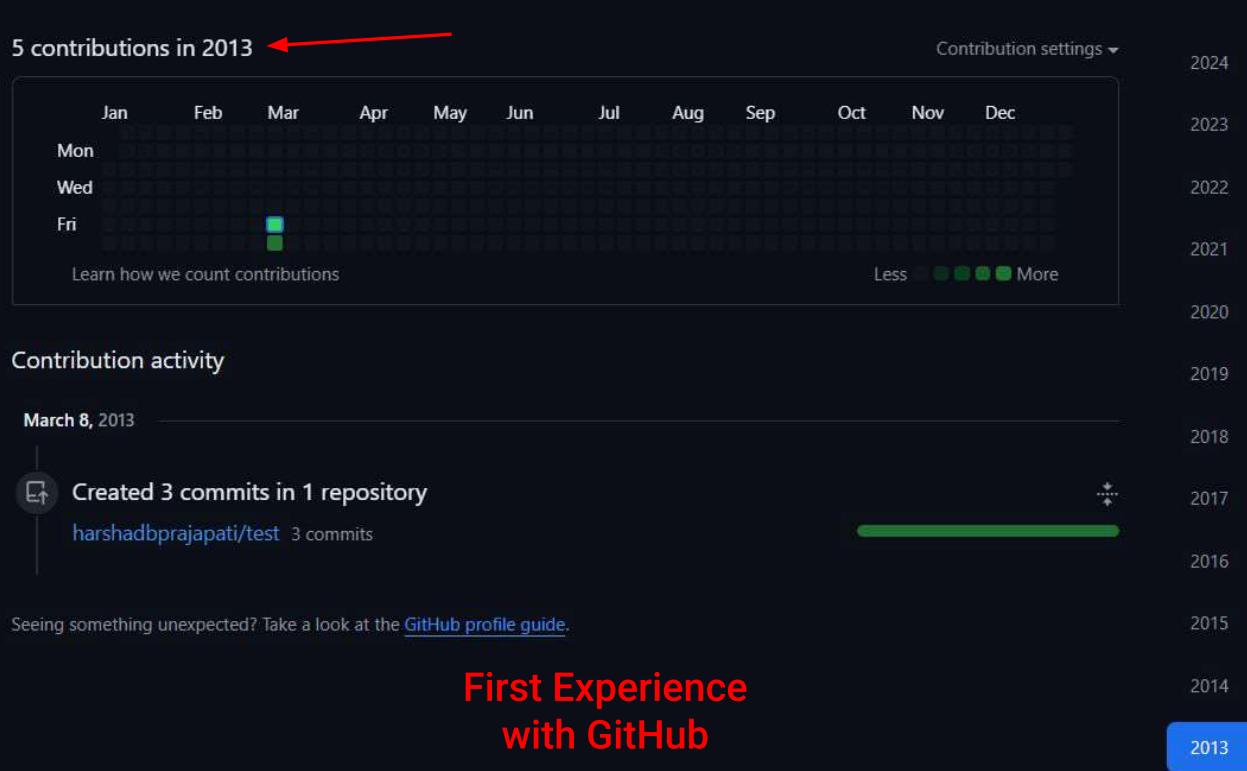
Dr Harshad Prajapati
Prepared during: 1-3 June 2024, 10,14 June 2024

2

First Experience with Version Control System

- Explored server based version control system way back in 2009.
- Used Git during 2011 to 2013 for recording PhD work:
 - Committing source code and experiment setup.
 - Changing parameter, experiment settings, repetition.
 - Committing PhD thesis.
 - Was prepared using LaTeX.
 - git tracks text and not binary (.doc file of Microsoft Word is binary)

3



4

Essential Concepts

5

What is My View on Git in Simple Words?

Git is a system of maintaining a journal (diary) to keep log and track of all activities that we do, and then at any point, we find that we did something wrong in the past, we can time travel to that point and start a new journey with new activities.

6

What is Version Control?

- If we have multiple variations of a same method or program or code, how can we maintain them?
 - A simple solution, without using any version control system, could be to keep all various versions of a method as commented, then whichever is to be used, uncomment it?
 - This simple solution can work for a single file program.
 - Think about a big project, containing multiple files, where one version of method in File A can work with a particular version of some method in File B?

7

What is Version Control?

- Using version control, we can track changes that we do to files or source code of a project over time.
- Then, we can bring required changes into our code within few seconds.
- We can also have different versions of source code (application) for different environments or users.

8

Local Version Control Systems

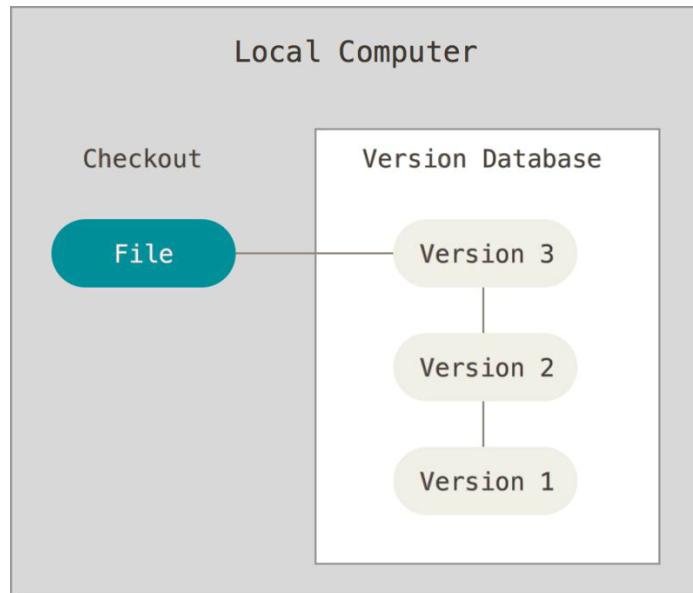
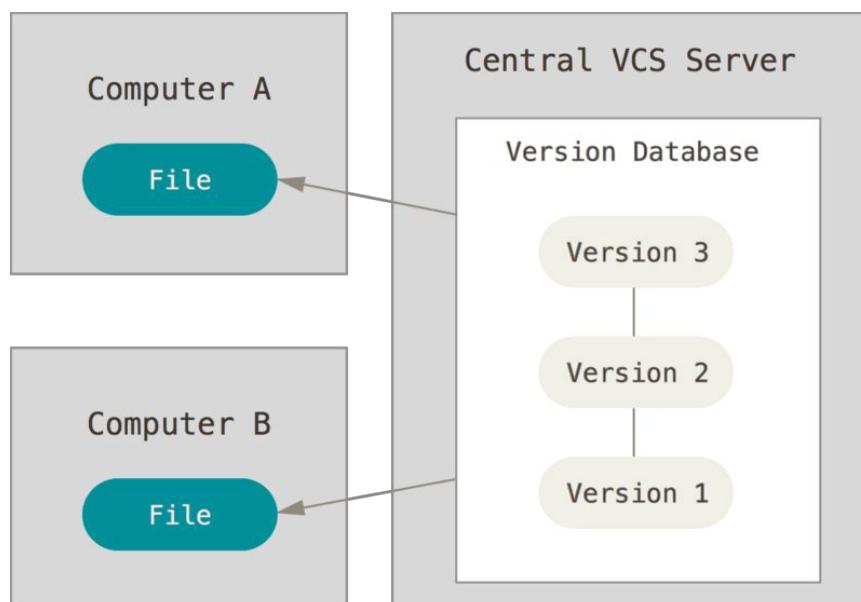


Image Source: <https://git-scm.com/book/en/v2/Getting-Started-About-Version-Control>

9

Centralized Version Control Systems



Examples:
• CVS,
• Subversion.

Image Source: <https://git-scm.com/book/en/v2/Getting-Started-About-Version-Control>

10

Distributed Version Control Systems

Examples:

- Git,
- Mercurial.

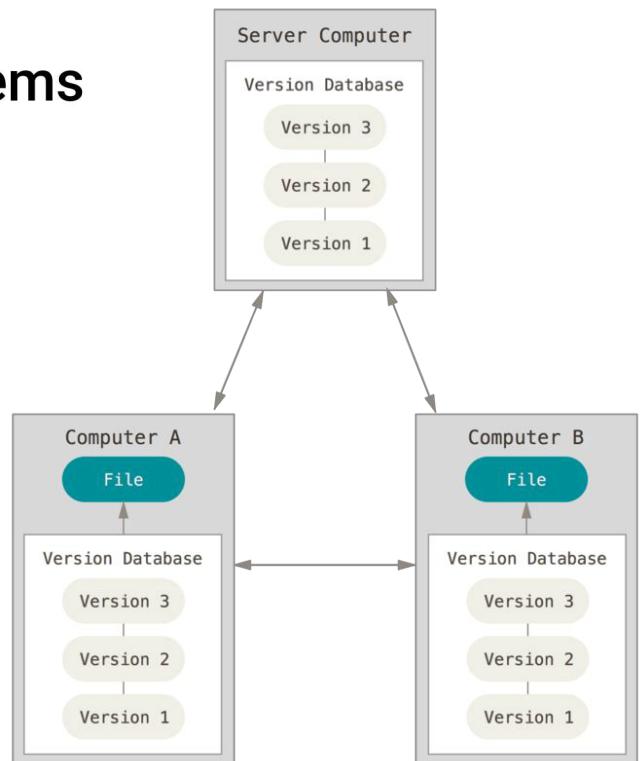


Image Source: <https://git-scm.com/book/en/v2/Getting-Started-About-Version-Control>

11

What is Git?

- Git is a distributed version control system.

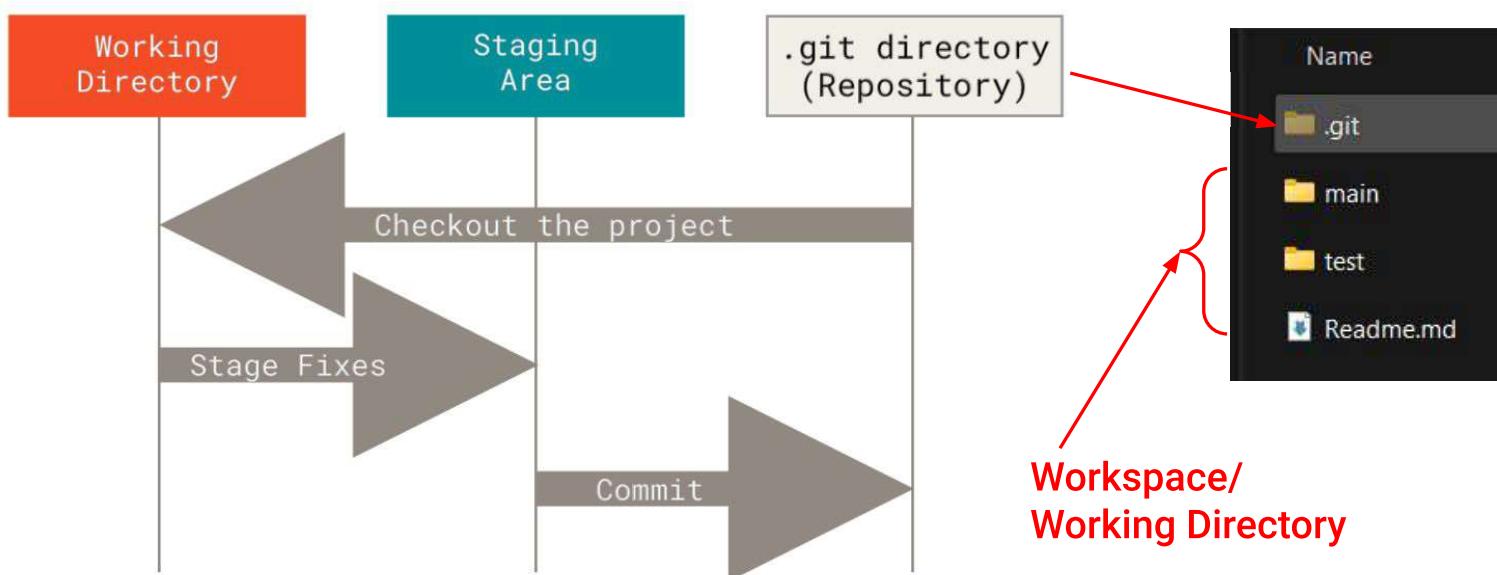
12

Important Terms

- **Repository**: (.git directory, contains all information): Local and Remote.
- **Branch**: A branch is a **line of development**.
- **Commit**: A single **point in the Git history**. (Other systems use **revision** or **version**)
- **Working Directory**: Directory (**workspace**) that contains the files that we are working on. It is **not part of Git repository**.
- **Staging Area**: It is an area (**file**) inside Git directory (.git) that stores **information** about what will go into our **next commit**.

13

Working Tree, Staging Area, and Git Directory



Lifecycle of the Status of the File

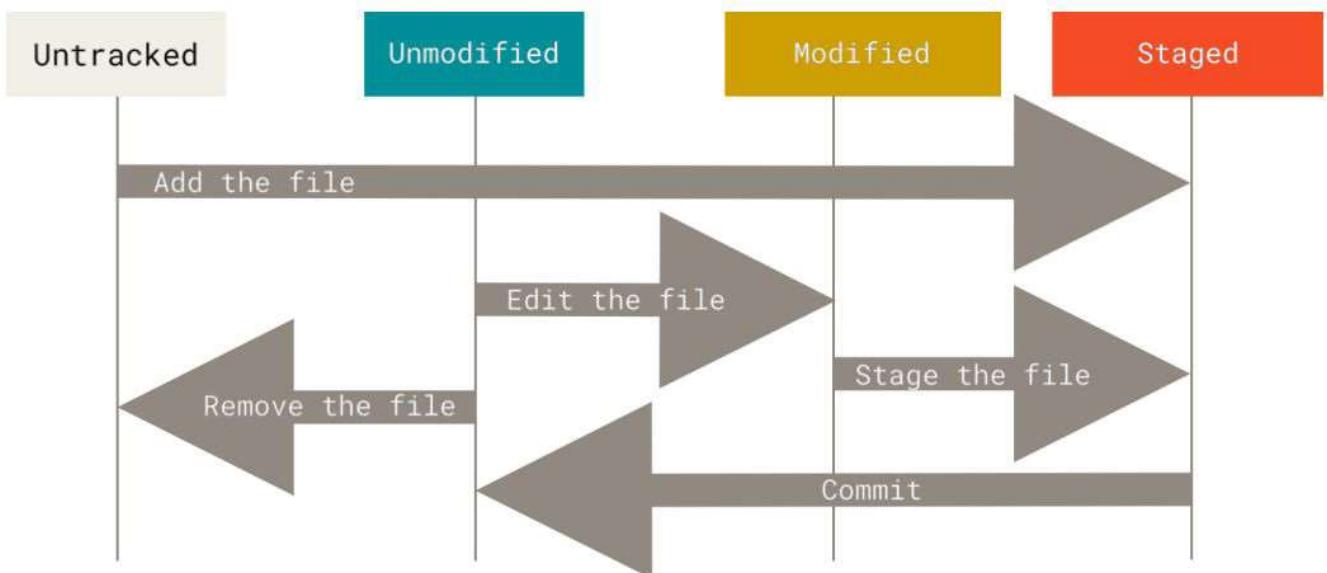


Image Source: Pro Git-Everything You Need to Know about Git, Scott Chacon and Ben Straub, APress, Version 2.1.430, 2024-06-04¹⁵

A Branch and its Commit History

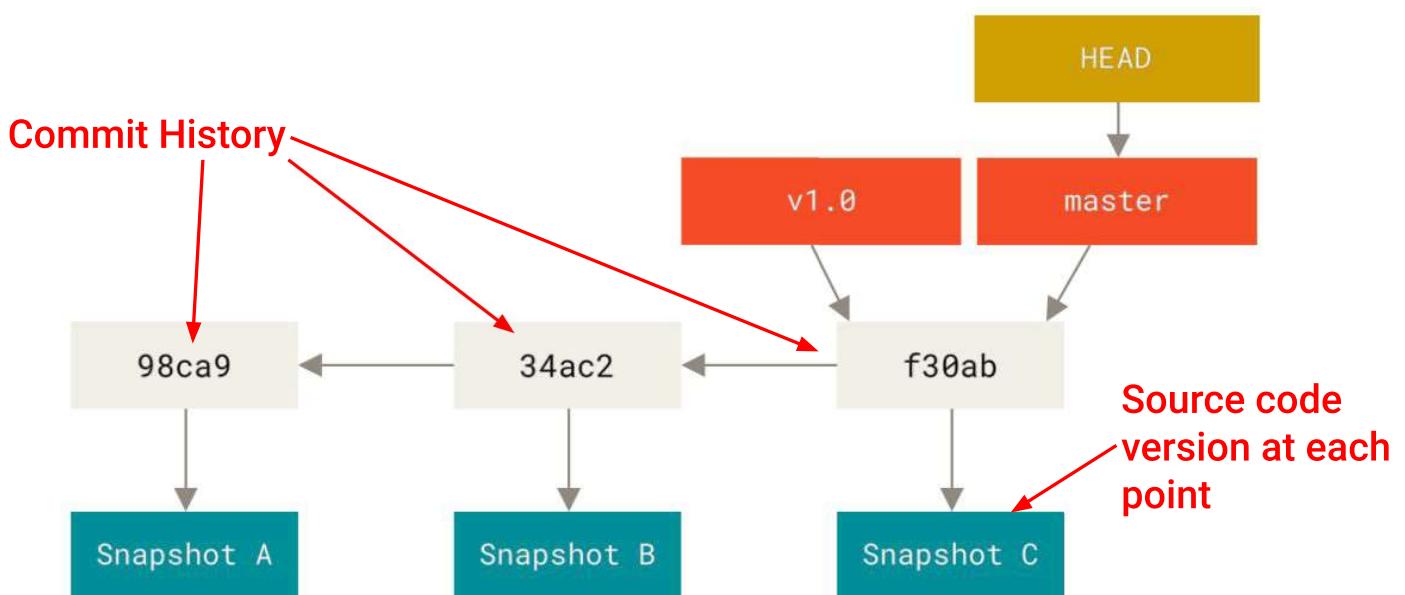


Image Source: Pro Git-Everything You Need to Know about Git, Scott Chacon and Ben Straub, APress, Version 2.1.430, 2024-06-04¹⁶

Two Branches Pointing to the Same Series of Commits

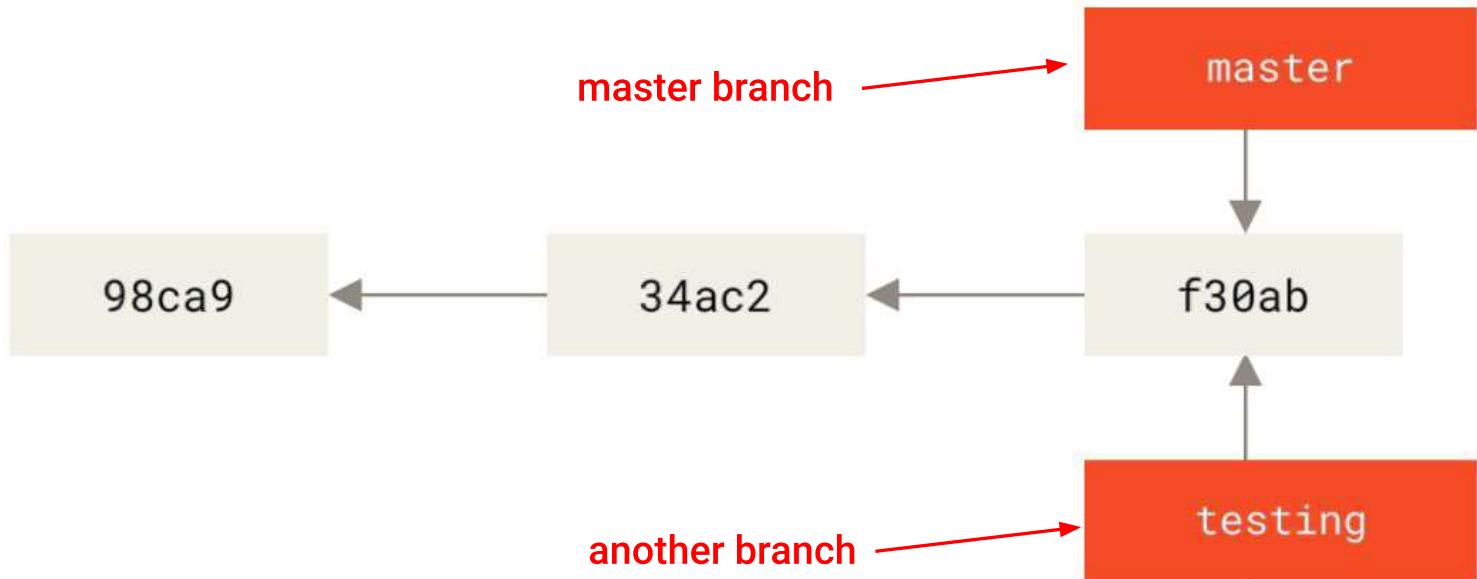


Image Source: Pro Git-Everything You Need to Know about Git, Scott Chacon and Ben Straub, APress, Version 2.1.430, 2024-06-04¹⁷

HEAD Pointing to Current Branch (master)

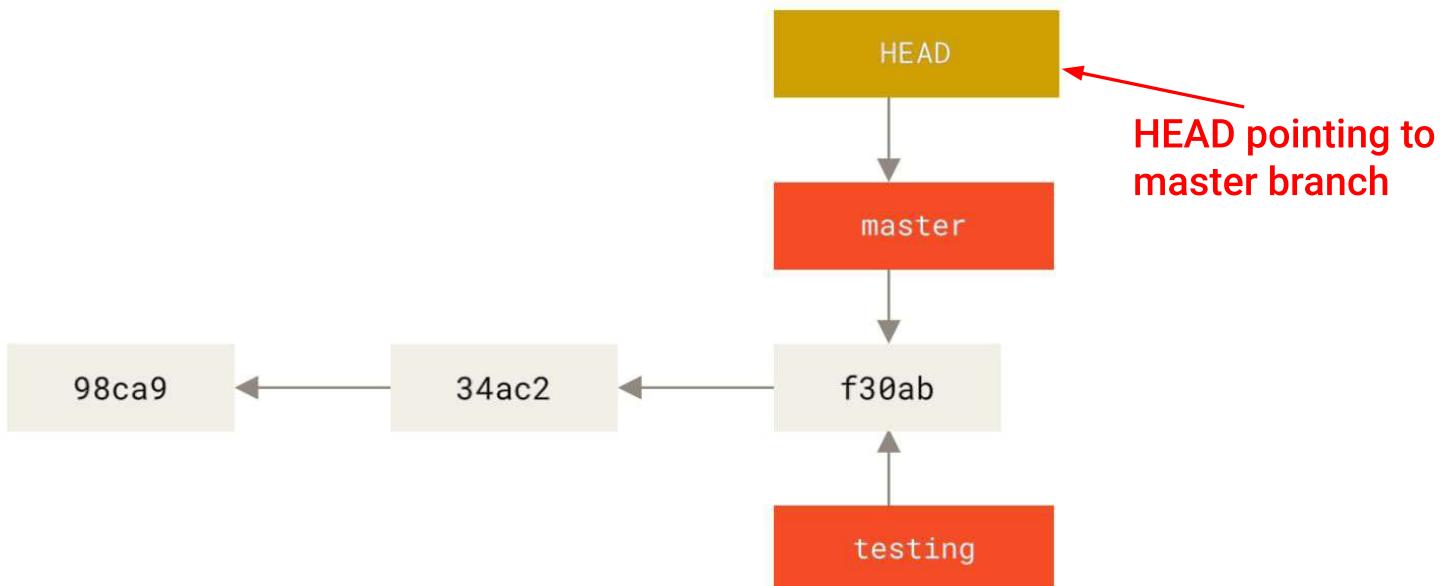


Image Source: Pro Git-Everything You Need to Know about Git, Scott Chacon and Ben Straub, APress, Version 2.1.430, 2024-06-04¹⁸

HEAD Pointing to Current Branch (testing)

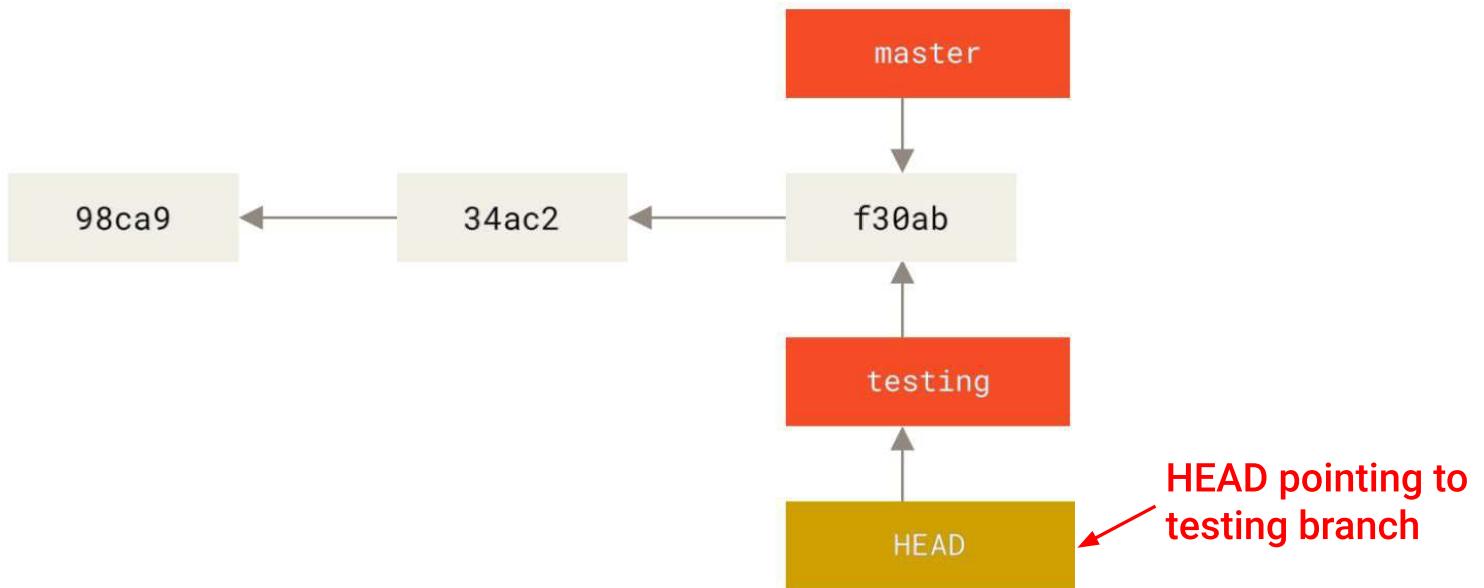


Image Source: Pro Git-Everything You Need to Know about Git, Scott Chacon and Ben Straub, APress, Version 2.1.430, 2024-06-04¹⁴

HEAD Branch Moves Forward When a Commit is Made

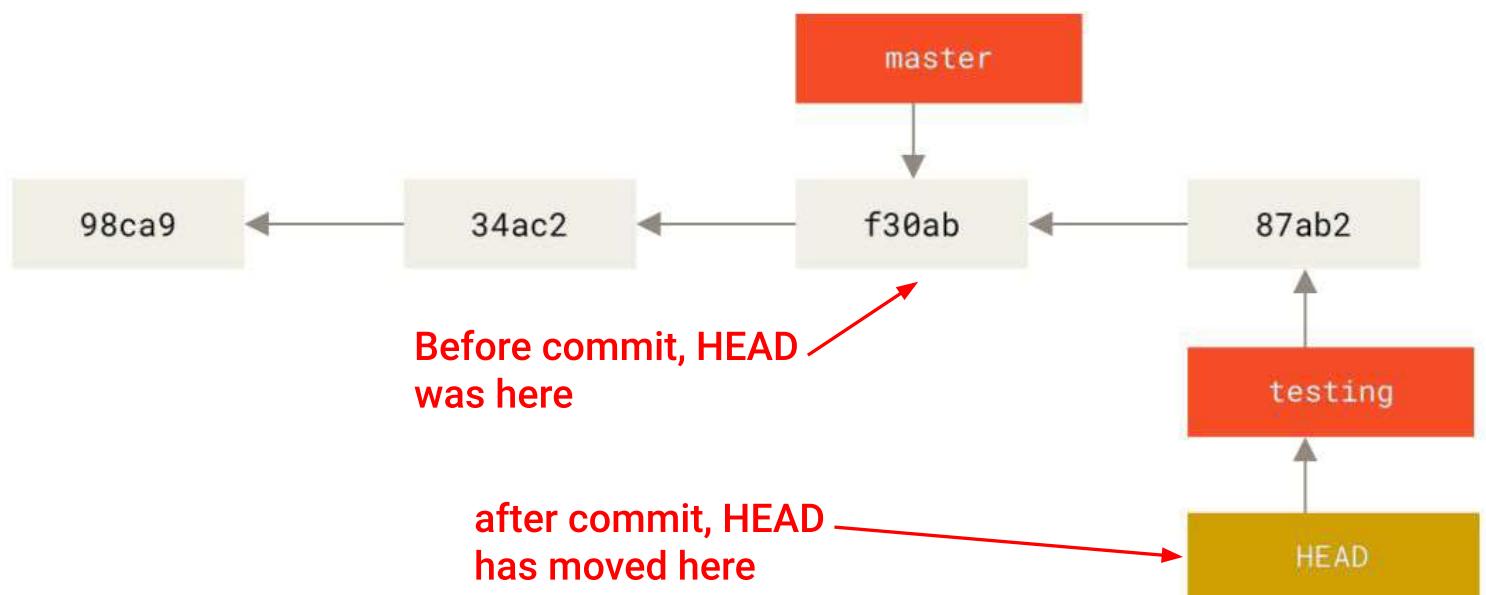


Image Source: Pro Git-Everything You Need to Know about Git, Scott Chacon and Ben Straub, APress, Version 2.1.430, 2024-06-04¹⁵

HEAD Moves When we Checkout

After checkout master branch,
HEAD now points to master
branch.

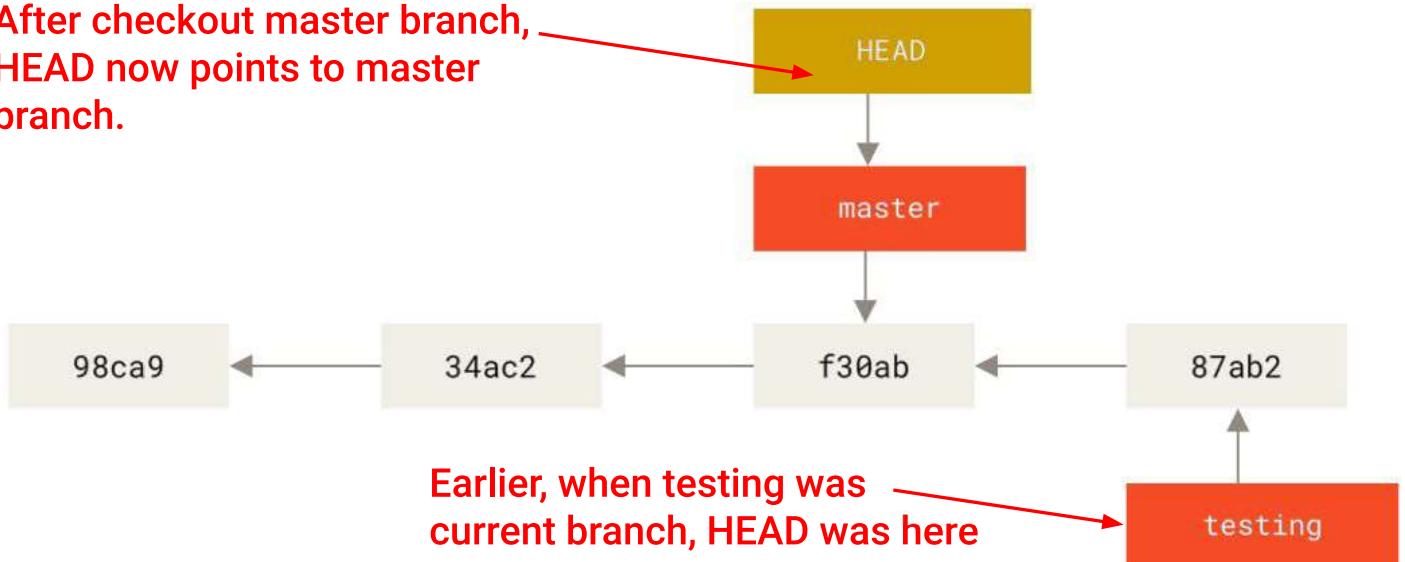


Image Source: Pro Git-Everything You Need to Know about Git, Scott Chacon and Ben Straub, APress, Version 2.1.430, 2024-06-04

Divergent History

After one commit on master
branch, now two branches diverge

Before commit, HEAD
was here

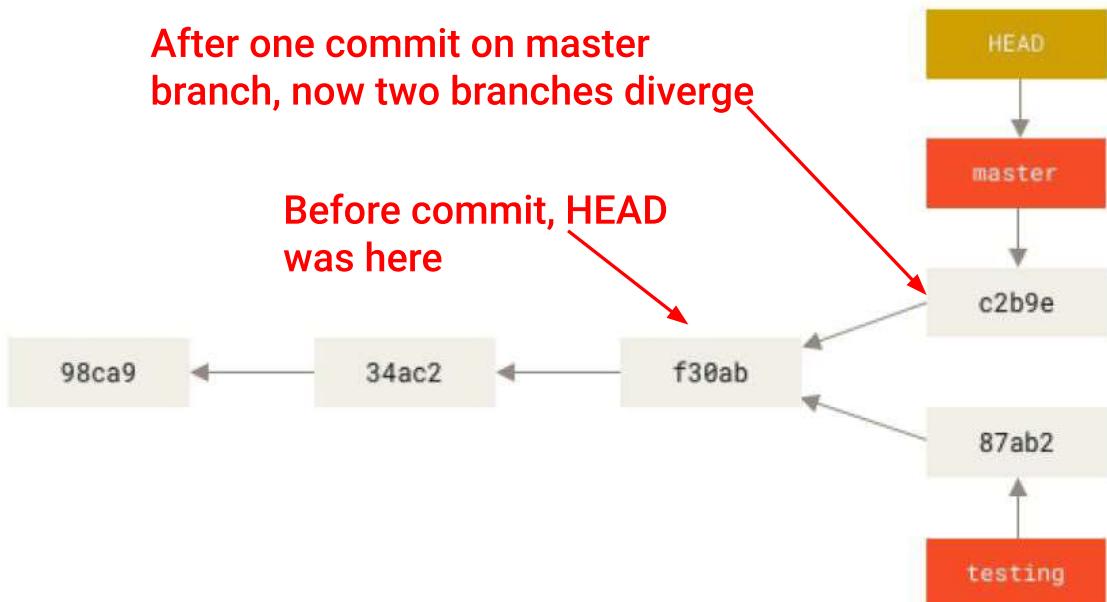
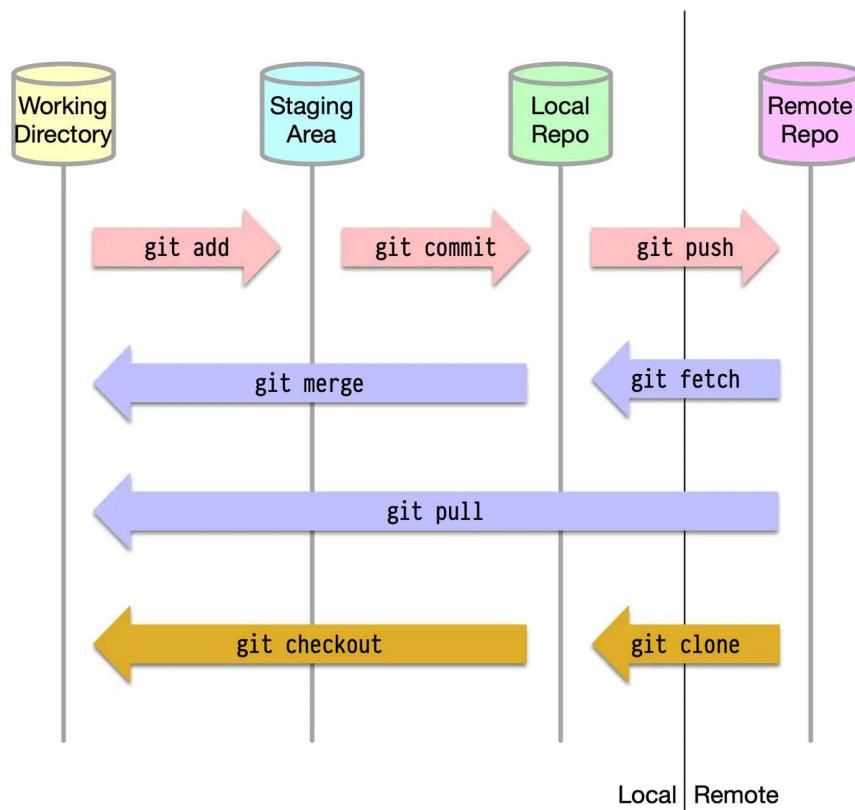


Image Source: Pro Git-Everything You Need to Know about Git, Scott Chacon and Ben Straub, APress, Version 2.1.430, 2024-06-04

Important Terms with Working with Remote Repository

- Clone
- Merge
- Pull
- Push
- Fetch

23



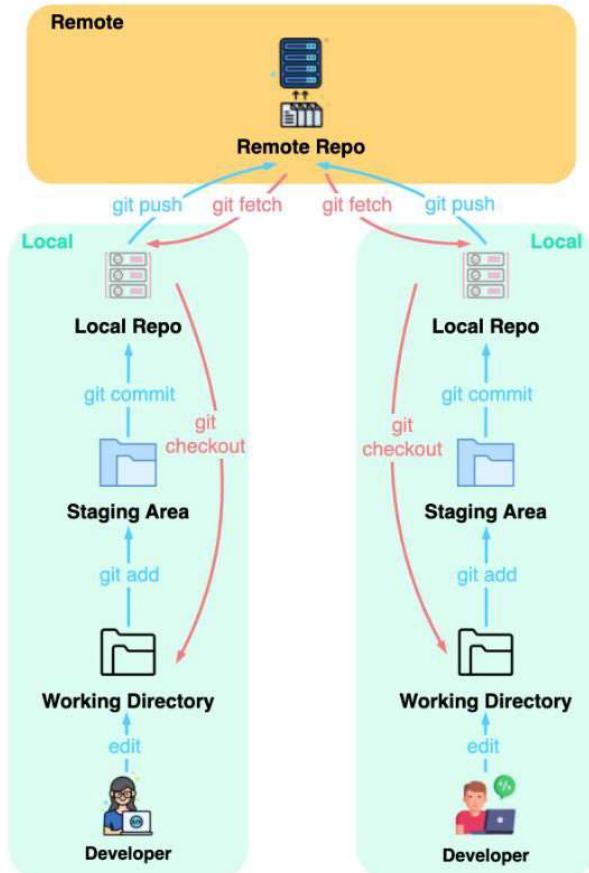


Image Source: blog.ByteByteGo.com

25

Git Installation

26

Download Git

- Download Git from <https://git-scm.com/download/win>

27

The screenshot shows a web browser window with the URL git-scm.com/download/win in the address bar. The page content is as follows:

git --local-branching-on-the-cheap

About **Documentation** **Downloads** **Community**

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 (2.45.1) 64-bit version of Git for Windows. This is the most recent [maintained build](#). It was released **18 days ago**, on 2024-05-14.

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 2.45.2. If you want the newer version, you can build it from the [source code](#).

Now What?
Now that you have downloaded Git, it's time to start using it.

28

Install Git

- Install it with all **recommended options** (**many options** are **asked**)

29

Documentation and Guide

30

git-scm.com/docs

Gmail Inbox 1 Gmail Inbox 2 YouTube Drive 0 Drive 1 Gemini ChatGPT Slow Roads WhatsApp

git --fast-version-control

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Reference

Quick reference guides: [GitHub Cheat Sheet](#) | [Visual Git Cheat Sheet](#)

Complete list of all commands

Setup and Config

- git
- config
- help
- bugreport
- Credential helpers

Getting and Creating Projects

- init
- clone

Basic Snapshotting

- add
- status
- diff
- commit
- notes
- restore

Guides

- gitattributes
- Command-line interface conventions
- Everyday Git
- Frequently Asked Questions (FAQ)
- Glossary
- Hooks
- gitignore
- gitmodules
- Revisions
- Submodules
- Tutorial
- Workflows
- All guides...

Email

- am
- apply

31

GitHub
Git Cheat Sheet

Git is the open source distributed version control system that facilitates GitHub activities on your laptop or desktop. This cheat sheet summarizes commonly used Git command line instructions for quick reference.

Install

- GitHub for Windows**
<https://windows.github.com>
- GitHub for Mac**
<http://git-scm.com>
- Git for All Platforms**
<http://git-scm.com>

Git distributions for Linux and POSIX systems are available on the official Git SCM web site.

Create repositories

When starting out with a new repository, you only need to do it once; either locally, then push to GitHub, or by cloning an existing repository.

- \$ git init**
Turn an existing directory into a git repository
- \$ git clone [url]**
Clone (download) a repository that already exists on GitHub, including all of the files, branches, and commits

The .gitignore file

Sometimes it may be a good idea to exclude files from being tracked with Git. This is typically done in a special file named `.gitignore`. You can find helpful templates for `.gitignore` files at github.com/github/gitignore.

Configure tooling

Configure user information for all local repositories

- \$ git config --global user.name "[name]"**
Sets the name you want attached to your commit transactions
- \$ git config --global user.email "[email address]"**
Sets the email you want attached to your commit transactions
- \$ git config --global color.ui auto**
Enables helpful colorization of command line output

Branches

Branches are an important part of working with Git. Any commits you make will be made on the branch you're currently "checked out" to. Use `git status` to see which branch that is.

- \$ git branch [branch-name]**
Creates a new branch
- \$ git checkout [branch-name]**
Switches to the specified branch and updates the working directory
- \$ git merge [branch]**
Combines the specified branch's history into the current branch. This is usually done in pull requests, but it is an important Git operation.
- \$ git branch -d [branch-name]**
Deletes the specified branch

Synchronize changes

Synchronize your local repository with the remote repository on GitHub.com

- \$ git fetch**
Downloads all history from the remote tracking branches
- \$ git merge**
Combines remote tracking branch into current local branch
- \$ git push**
Uploads all local branch commits to GitHub
- \$ git pull**
Updates your current local working branch with all new commits from the corresponding remote branch on GitHub. `git pull` is a combination of `git fetch` and `git merge`

32

<https://training.github.com/downloads/github-git-cheat-sheet.pdf>

GitHub Git Cheat Sheet

Make changes

Browse and inspect the evolution of project files

```
$ git log
Lists version history for the current branch
$ git log --follow [file]
Lists version history for a file, including renames
$ git diff [first-branch]...[second-branch]
Shows content differences between two branches
$ git show [commit]
Outputs metadata and content changes of the specified commit
$ git add [file]
Schedules the file in preparation for versioning
$ git commit -m "Descriptive message"
Records file snapshots permanently in version history
```

Redo commits

Erase mistakes and craft replacement history

```
$ git reset [commit]
Undoes all commits after [commit], preserving changes locally
$ git reset --hard [commit]
Discards all history and changes back to the specified commit
```

CAUTION: Changing history can have nasty side effects. If you need to change commits that exist on GitHub (the remote), proceed with caution. If you need help, reach out at the GitHub community or contact support.

GitHub Flow

The GitHub flow diagram shows the process from creating a feature branch to merging it back into master, with steps for committing changes, submitting a pull request, and discussing changes.

Glossary

git: an open source, distributed version-control system
GitHub: a platform for hosting and collaborating on Git repositories
commit: a Git object, a snapshot of your entire repository compressed into a SHA
branch: a lightweight movable pointer to a commit
clone: a local version of a repository, including all commits and branches
remote: a common repository on GitHub that all team members use to exchange their changes
fork: a copy of a repository on GitHub owned by a different user
pull request: a place to compare and discuss the differences introduced on a branch with reviews, comments, integrated tests, and more
HEAD: representing your current working directory, the HEAD pointer can be moved to different branches, tags, or commits when using `git checkout`

GitHub Training

Want to learn more about using GitHub and Git?
Email the Training Team or visit our web site for learning

services.github.com
services.github.com

<https://training.github.com/downloads/github-git-cheat-sheet.pdf>

33

git-scm.com/docs

Services: Gmail Inbox 0, Gmail Inbox 1, Gmail Inbox 2, YouTube, Drive 0, Drive 1, Gemini, ChatGPT, Slow Roads, WhatsApp

git --fast-version-control

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- Glossary
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- gitignore
- gitmodules
- Revisions
- Submodules
- Tutorial
- Workflows
- All guides...

Email

- am
- apply

34

Clicking each area, shows related commands.

The screenshot shows the 'STASH' section of the Git Cheatsheet. It includes a sidebar with commands like 'stash push', 'stash pop', and 'stash apply'. Below the sidebar, there's a list of commands: 'stash list', 'stash show', 'stash drop', 'stash clear', and 'stash branch <branchname> [<stash>]'. A red arrow points from the text above to the 'STASH' section of the cheatsheet.

35

Clicking each area, shows related commands.

The screenshot shows the 'WORKSPACE' section of the Git Cheatsheet. It includes a sidebar with commands like 'status', 'diff', and 'diff <commit or branch>'. Below the sidebar, there's a long list of commands: 'add <file... or dir...>', 'add -u', 'rm <file(s)...>', 'mv <file(s)...>', 'commit -a [-m 'msg']', 'checkout <file(s)... or dir>', 'reset --hard', 'reset --hard <remote>/<branch>', 'switch <branch>', 'checkout -b <name of new branch>', 'merge <commit or branch>', 'rebase <upstream branch>', 'cherry-pick <commit>', and 'revert <commit>'. A red arrow points from the text above to the 'WORKSPACE' section of the cheatsheet.

36

git status

Displays:

- paths that have differences between the index file and the current HEAD commit,
- paths that have differences between the workspace and the index file, and
- paths in the workspace that are not tracked by git.

Clicking each area, shows related commands.

The screenshot shows the 'INDEX' section of the Git Cheatsheet. It contains a list of commands:

- status
- diff
- add <file... or dir...>
- add -u
- rm <file(s)...>
- mv <file(s)...>
- checkout <file(s)... or dir>
- reset HEAD <file(s)...>
- diff --cached [<commit>]
- commit [-m 'msg']
- commit --amend

escape a git mess, step-by-step
discover character entities at &what's

Git Cheatsheet

Categorize Git's commands based on what they affect.

37

Clicking each area, shows related commands.

The screenshot shows the 'LOCAL REPOSITORY' section of the Git Cheatsheet. It contains a list of commands:

- diff <commit or branch>
- commit -a [-m 'msg']
- reset --hard
- reset --hard <remote/><branch>
- switch <branch>
- checkout -b <name of new branch>
- merge <commit or branch>
- rebase <upstream branch>
- cherry-pick <commit>
- revert <commit>
- diff --cached [<commit>]
- commit [-m 'msg']
- commit --amend
- log
- diff <commit> <commit>
- branch
- branch -d <branch>
- branch --track <new branch name> <remote/><branch>

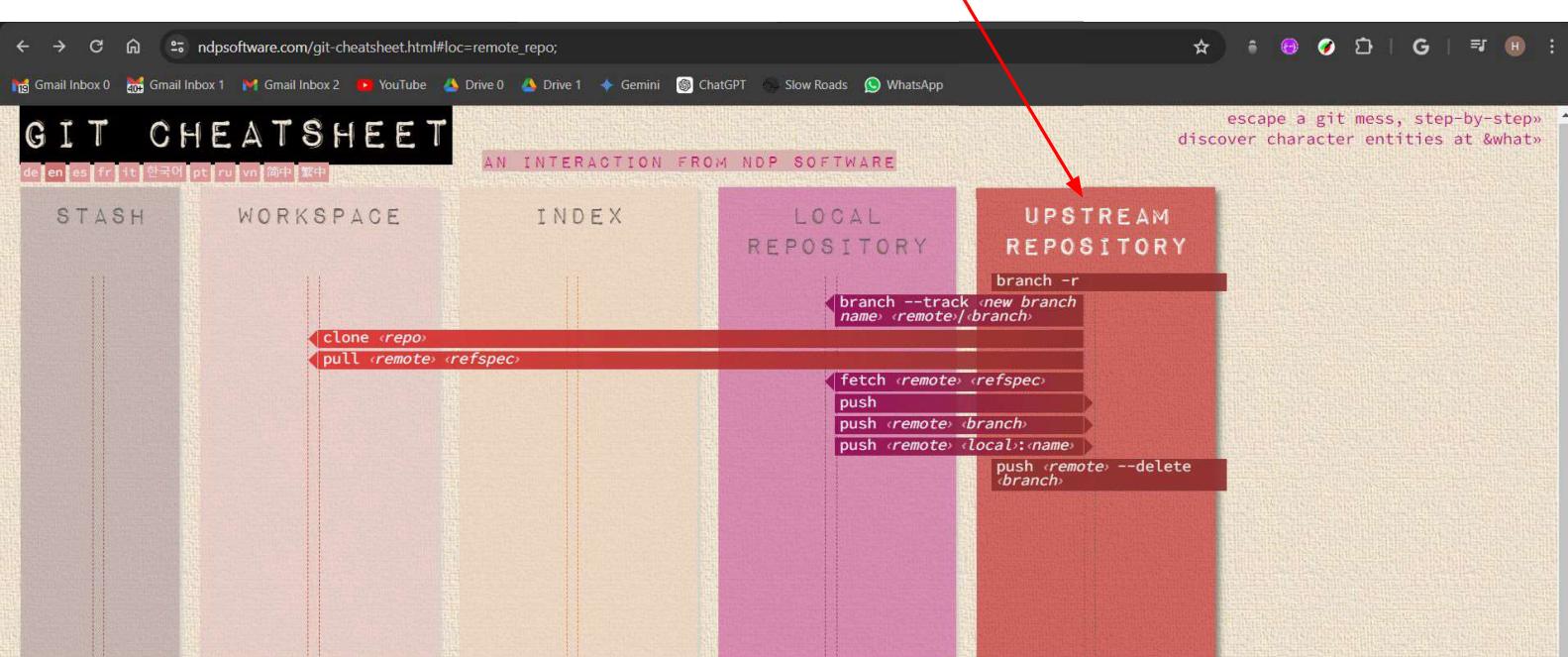
escape a git mess, step-by-step
discover character entities at &what's

git diff <commit or branch>

View the changes you have in your workspace relative to the named <commit>. You can use HEAD to compare it with the latest commit, or a branch name to compare with the tip of a different branch

38

Clicking each area, shows related commands.



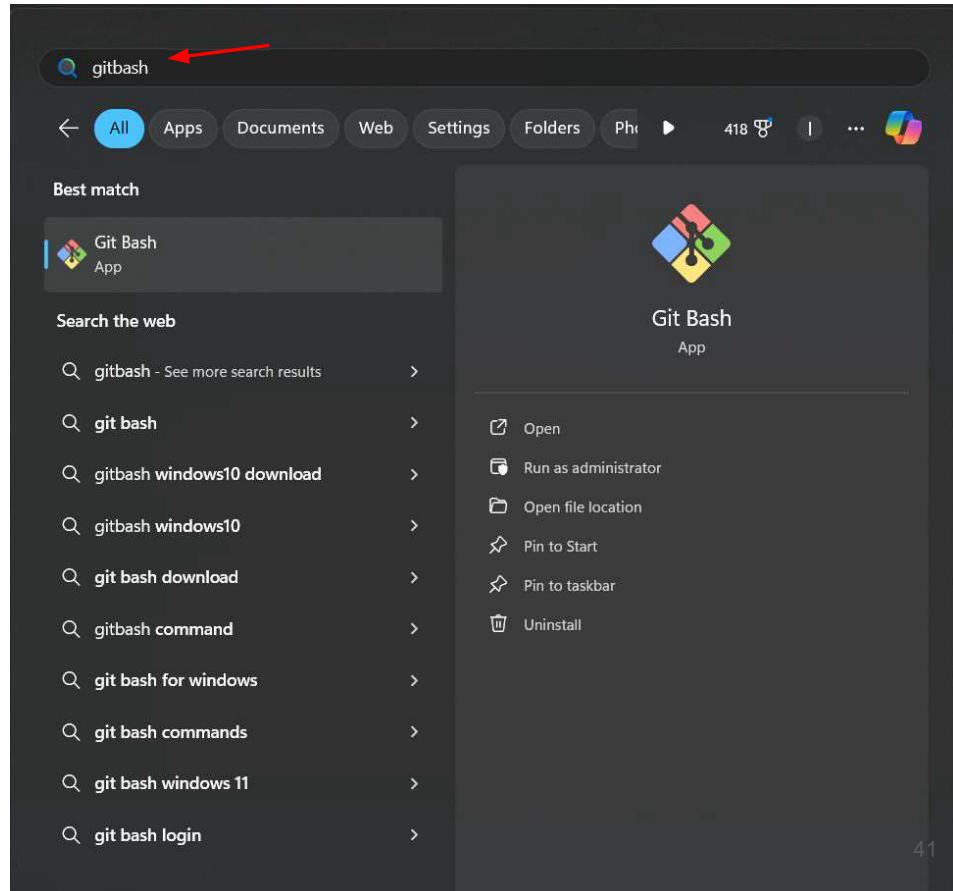
upstream repository

A repository of your code to share and collaborate with other developers. It's hosted on some Internet or a remote, eg. Github. The default name is origin. Typical branches here: main, master, shared-feature-x, release-y. Also called 'remote repository', or just 'remote'.

39

Configure Git

40



- Press Windows Key.
- Then type gitbash.
- Hit ENTER key.

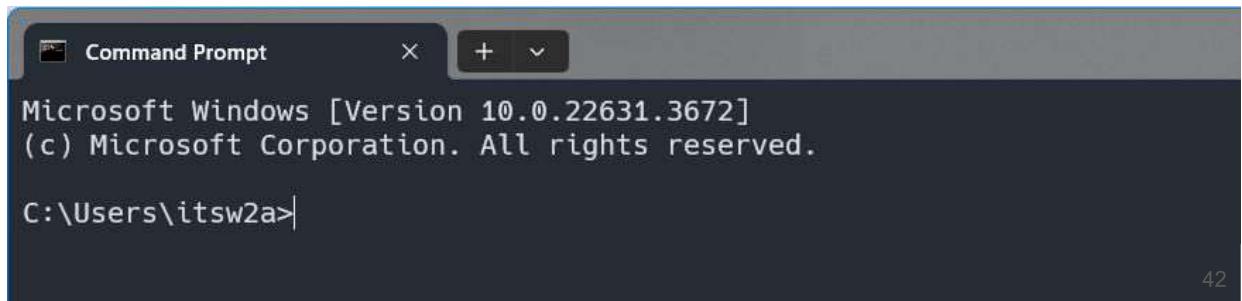
gitbash cmd window

- We always use gitbash while working with git repositories.

gitbash



cmd



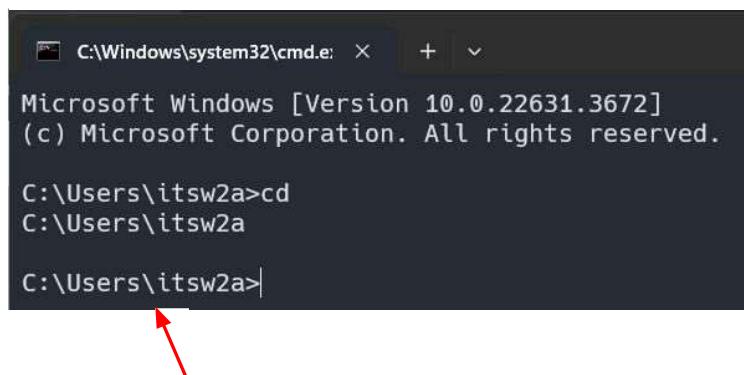
How to Deal With Directories

gitbash uses linux
rules for directories.
Forward slash.



```
MINGW64:/c/Users/itsw2a
itsw2a@DESKTOP-TR1890T MINGW64 ~
$ pwd
/c/Users/itsw2a
```

cmd uses windows
rules for directories:
Backward slash.



```
C:\Windows\system32\cmd.exe x + v
Microsoft Windows [Version 10.0.22631.3672]
(c) Microsoft Corporation. All rights reserved.

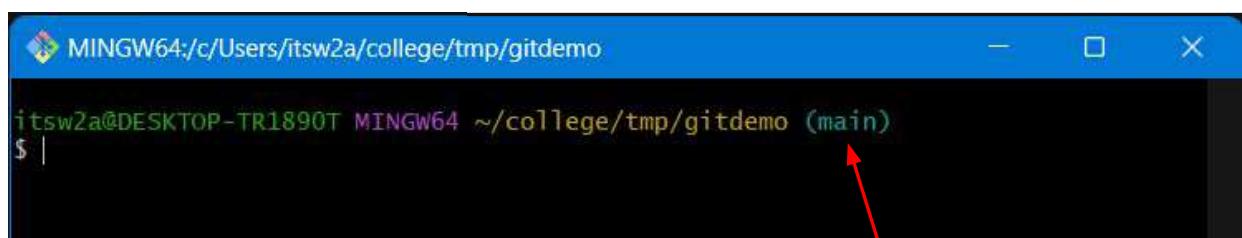
C:\Users\itsw2a>cd
C:\Users\itsw2a

C:\Users\itsw2a>
```

43

Why to use gitbash

gitbash is a bash shell specifically designed
to work with git system



```
MINGW64:/c/Users/itsw2a/college/tmp/gitdemo
itsw2a@DESKTOP-TR1890T MINGW64 ~/college/tmp/gitdemo (main)
$ |
```

- We can see current branch with gitbash
- You will be able to verify this later on, after creating a git repository

44

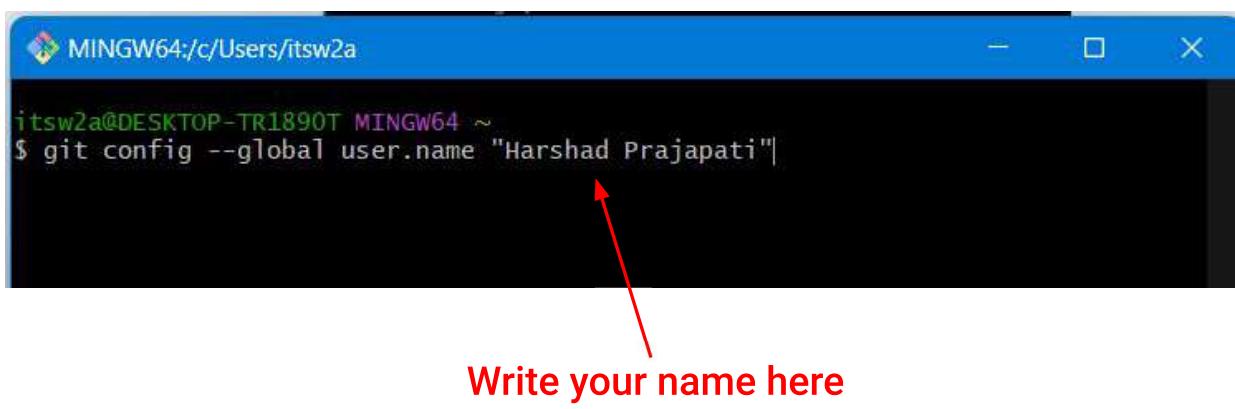
Configure Your username and email address

- We configure our username and email for git.
 - We can do **globally**.
 - We can also do **repository specific**.

45

Configure Your username

- We type the following command to **configure username globally**.
 - `git config --global user.name "<user-name>"`



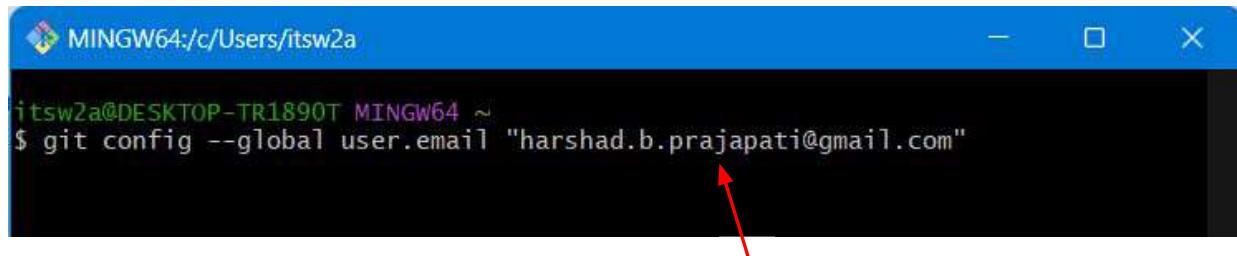
```
MINGW64:/c/Users/itsw2a
itsw2a@DESKTOP-TR1890T MINGW64 ~
$ git config --global user.name "Harshad Prajapati"
```

Write your name here

46

Configure Your email address

- We type the following command to **configure email globally**.
 - git config --global user.email "<user-email>"



```
MINGW64:/c/Users/itsw2a
itsw2a@DESKTOP-TR1890T MINGW64 ~
$ git config --global user.email "harshad.b.prajapati@gmail.com"
```

Write your email here

47

Configure Your username and email address

- We verify user.name and user.email

```
itsw2a@DESKTOP-TR1890T MINGW64 ~
$ git config --global --get user.name
Harshad Prajapati

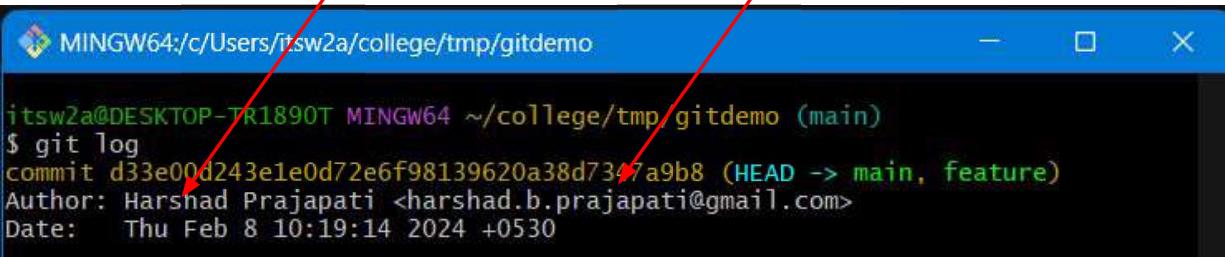
itsw2a@DESKTOP-TR1890T MINGW64 ~
$ git config --global --get user.email
harshad.b.prajapati@gmail.com

itsw2a@DESKTOP-TR1890T MINGW64 ~
$
```

When you commit, your above information will be attached with the commit.

48

Commit with Username and Email Information



```
MINGW64:/c/Users/itsw2a/college/tmp/gitdemo
itsw2a@DESKTOP-TR1890T MINGW64 ~/college/tmp/gitdemo (main)
$ git log
commit d33e00d243e1e0d72e6f98139620a38d7347a9b8 (HEAD -> main, feature)
Author: Harshad Prajapati <harshad.b.prajapati@gmail.com>
Date:   Thu Feb 8 10:19:14 2024 +0530
```

- Using **git log** command: We can see **username and email attached with commit.**
- You will be able to verify this later on, after committing to a git repository.

49

Configuring .gitignore File

- Sometimes, we want to **exclude** certain **files** from **being tracked** with Git.
 - For example,
 - folders related to **IDEs**.
 - **.env** files
- We can **list** all such **files** in **.gitignore** file, which will be placed in **project root**.
- If a project is created using a **project generator** (Spring Initializr), then **.gitignore** file is **already created** by the generator.

50

We will Learn Git with Actual Development Process

51

Learning Scenarios

- We will have two team members
 - Owner of the repository,
 - Collaborator of the repository.
- Owner will create a local repository,
- Owner will create a feature,
- Owner will push local repository to GitHub,
- Owner will add a collaborator to the repository,
- Collaborator will pull the remote repository,
- Collaborator will develop a new feature,

52

Learning Scenarios

- Collaborator will develop push local changes to the remote repository,
- Collaborator will create a pull request,
- Owner will reject the pull request with suggestions,
- Collaborator will incorporate the suggestions and update the code for the feature,
- Collaborator will respond to the feedback,
- Owner approves the pull request,
- Owner merges the feature branch into the main branch on remote repository,
- Collaborator pulls changes into the local repository.

53

What you Should Do?

- Strictly follow the steps shown in the presentation.
 - It is a strict warning not to go ahead or deviate.
- If you know EVERYTHING, I appreciate it, but still you need to follow the steps.
 - You know the consequences of pressing **RED** button immediately on just hearing the instruction "**Do you see a RED button in front of you?**"

54

Working with Git: Widely Used Commands

55

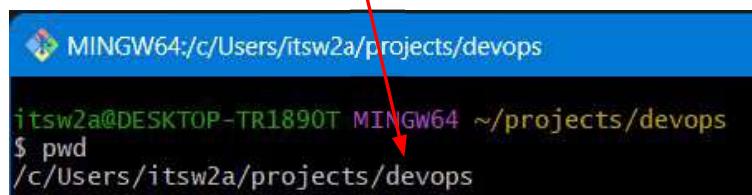
We Consider a General Problem

- We are thinking of **creating** some **food dishes** for **guests**.
- We want to consider **each food dish** as **one feature**.
- We want two food dishes: **jeera-rice** and **dal-fry**.
- We want project name as **food-guests**:
 - It has **two folders**:
 - **main** and
 - **test**.
- Then for each food dish, we add a directory.
- Under **main**, we will write **steps of recipe** and under **test**, we will write how to do **test: look and taste**.

56

Create Project Under Specific Directory

This is the directory under which projects will be created



```
MINGW64:/c/Users/itsw2a/projects/devops
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops
$ pwd
/c/Users/itsw2a/projects/devops
```

57

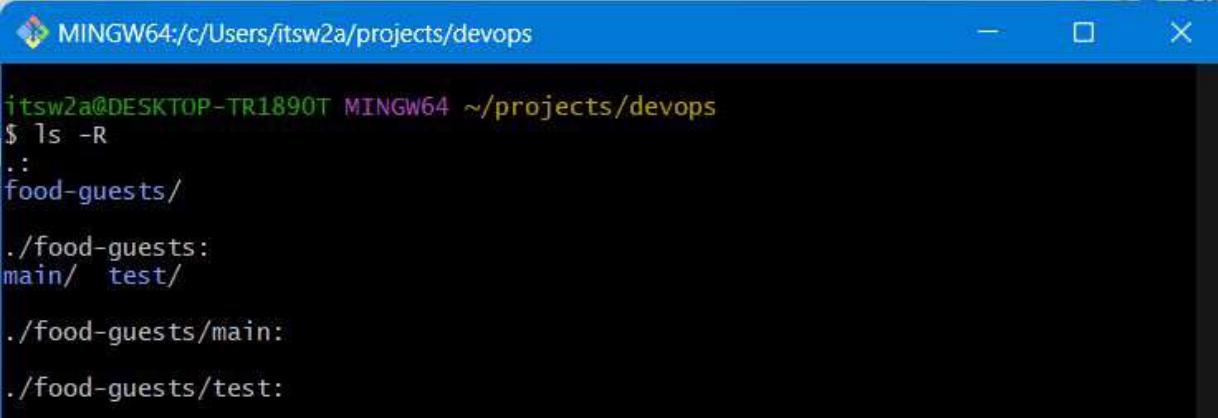
Create project directory and project structure



```
MINGW64:/c/Users/itsw2a/projects/devops/food-guests
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops
$ mkdir food-guests
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops
$ cd food-guests
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests
$ mkdir main test
```

58

Verify project directory and project structure

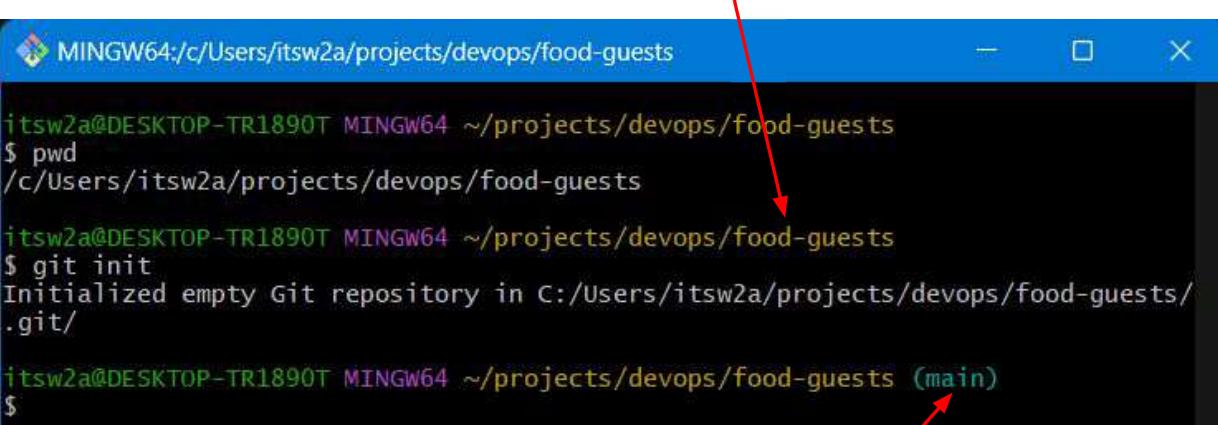


```
MINGW64:/c/Users/itsw2a/projects/devops
$ ls -R
.:
food-guests/
./food-guests:
main/ test/
./food-guests/main:
./food-guests/test:
```

59

Initialize Git Repository using git init

Before git init

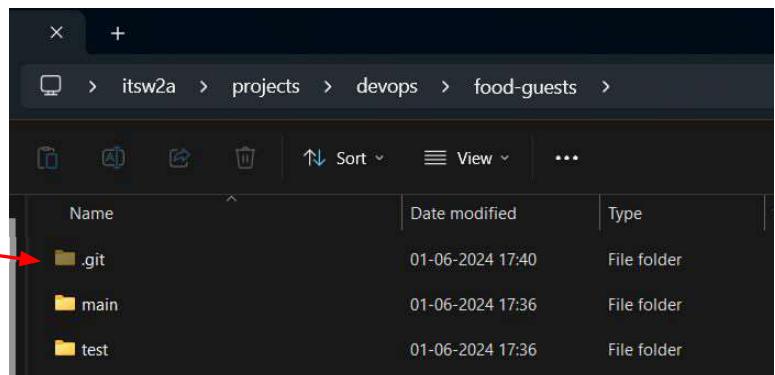


```
MINGW64:/c/Users/itsw2a/projects/devops/food-guests
$ pwd
/c/Users/itsw2a/projects/devops/food-guests
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests
$ git init
Initialized empty Git repository in C:/users/itsw2a/projects/devops/food-guests/.git/
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$
```

After git init, we see word main.
That is default branch.

60

Once we do git init, this .git (dot git) folder gets created. Git system keeps everything for this repository in that folder.



That directory is hidden.
Need to change File View
Settings to see it.

61

Check Status

- We can check status using the following command:
 - git status

A screenshot of a terminal window titled 'MINGW64:/c/Users/itsw2a/projects/devops/food-guests'. The command \$ git status is run, and the output is:

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git status
On branch main
No commits yet
nothing to commit (create/copy files and use "git add" to track)

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ |
```

Red arrows point from the text 'On branch main' and 'No commits yet' to the left margin of the terminal window, indicating they are standard output messages.

git is designed user (developer) friendly: we can know what we have to do next

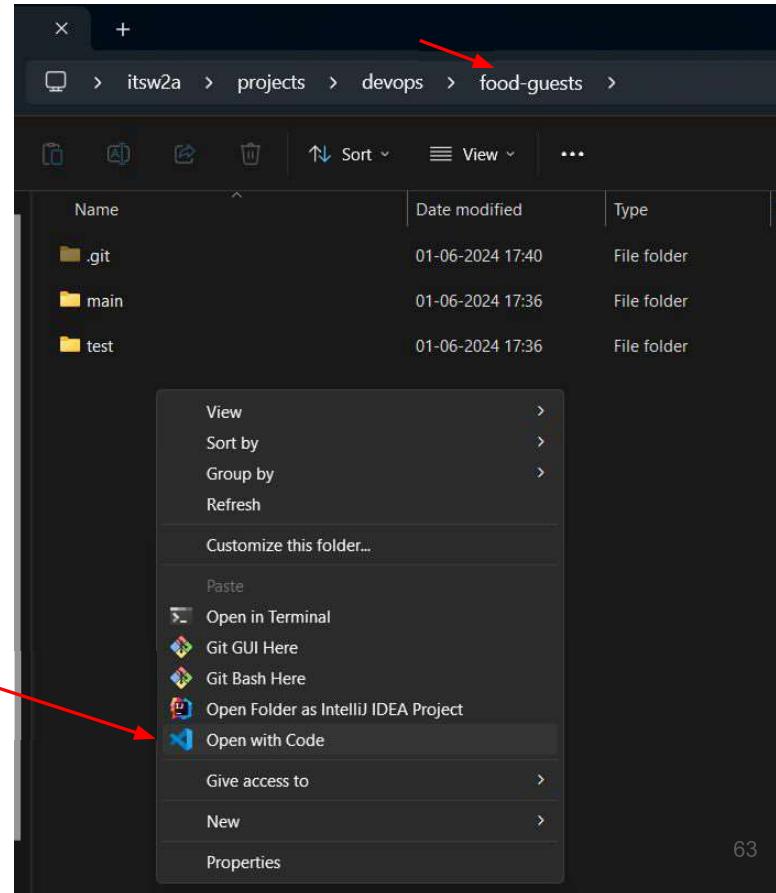
62

Open the Project

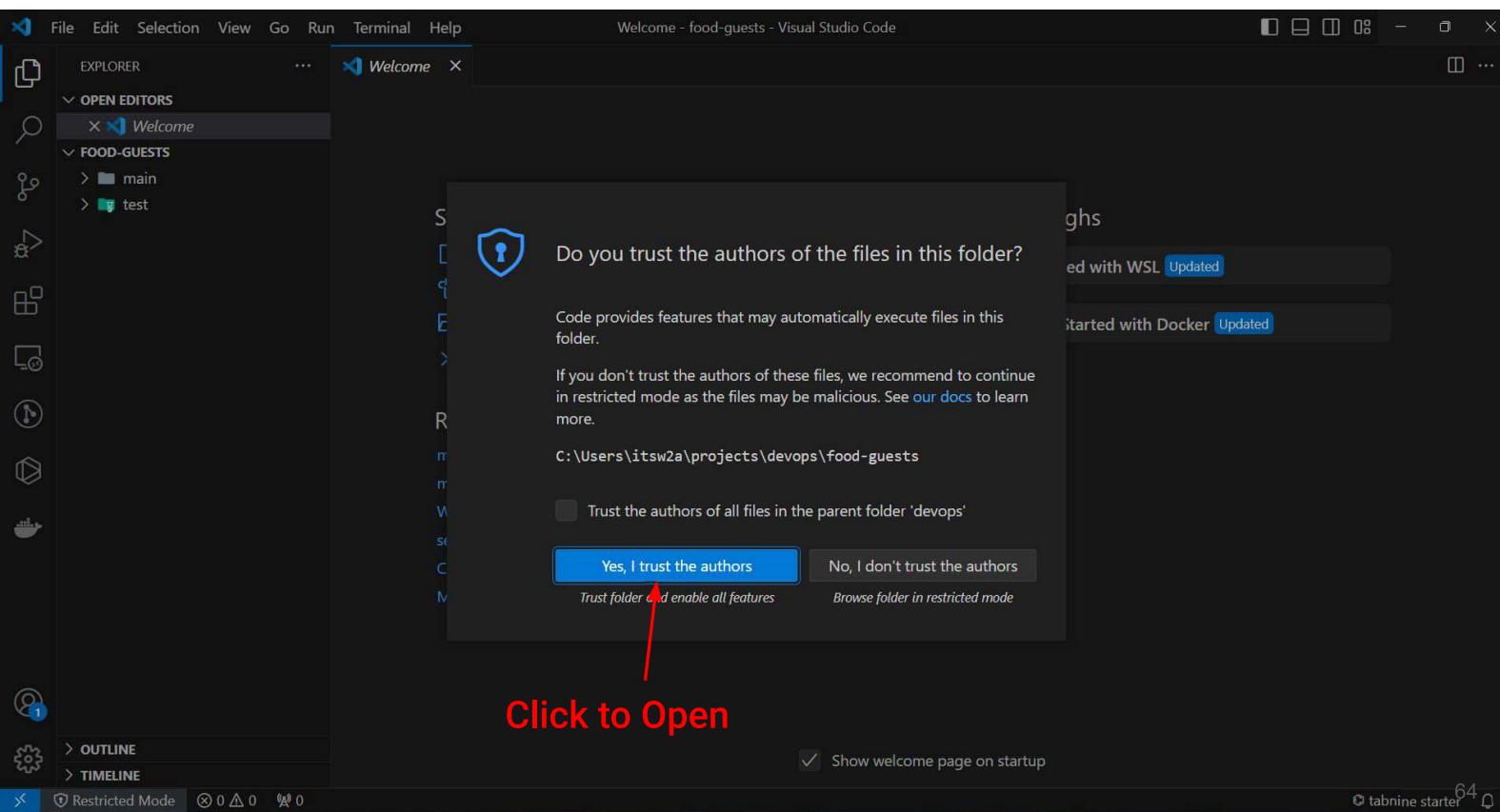
- Open the Project in Some Editor.
- Right click within the project folder.

Click to Open this
folder with VSCode

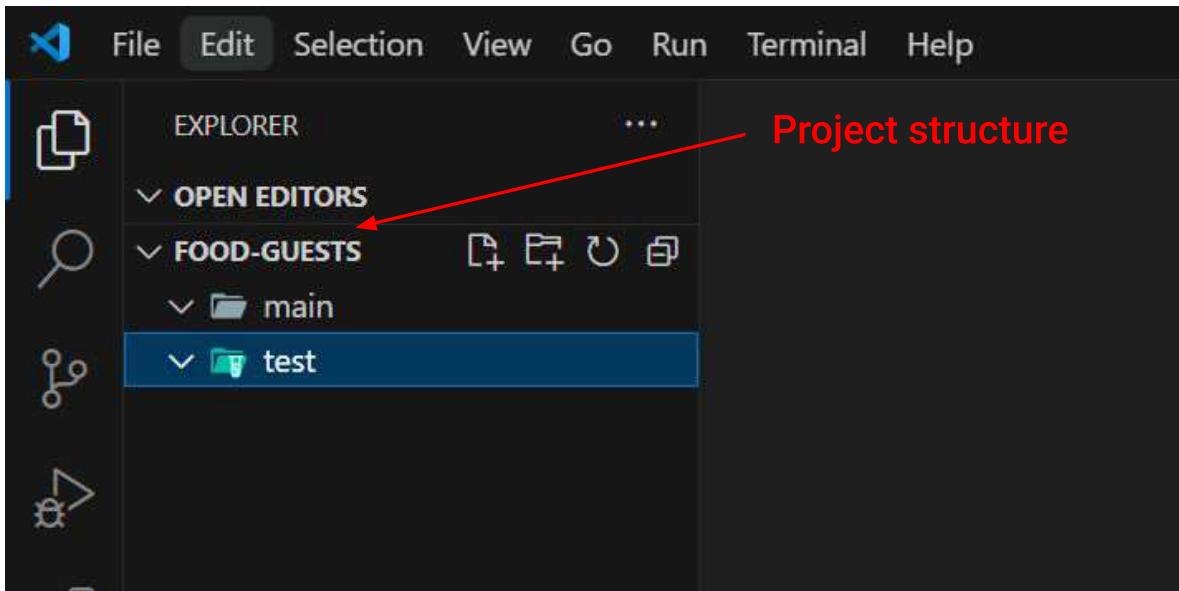
If you do not see this
option, there is another
way.



63



Click to Open

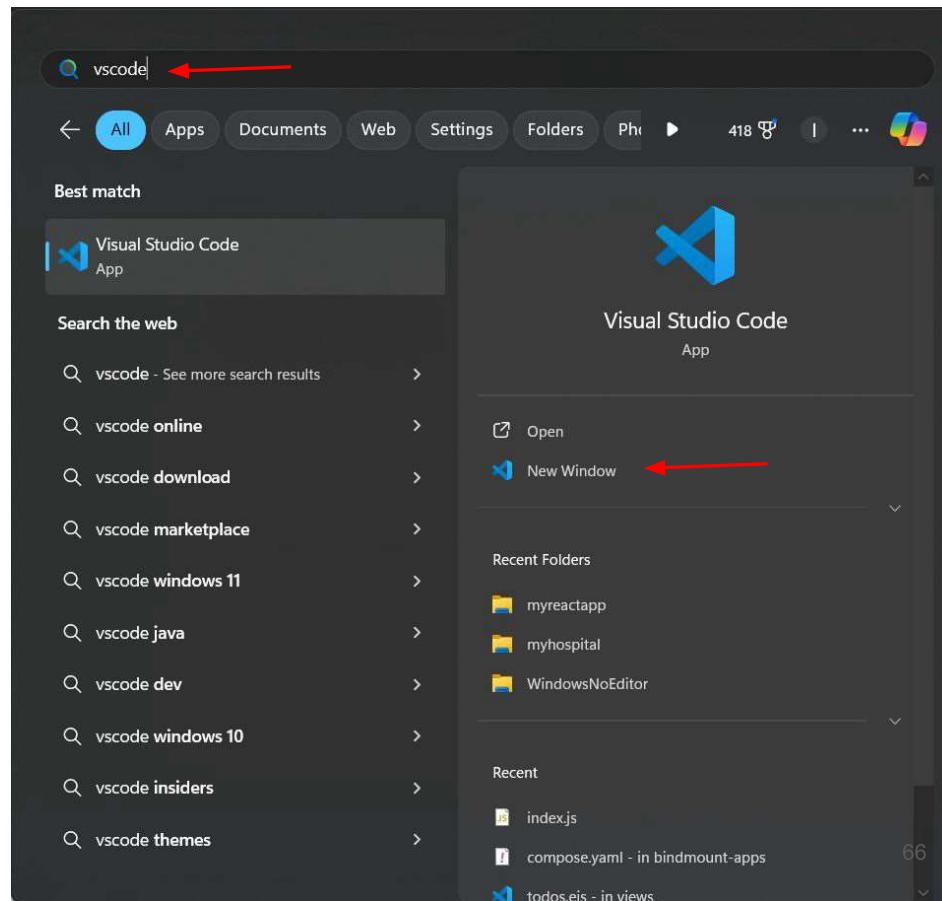


65

Open the Project

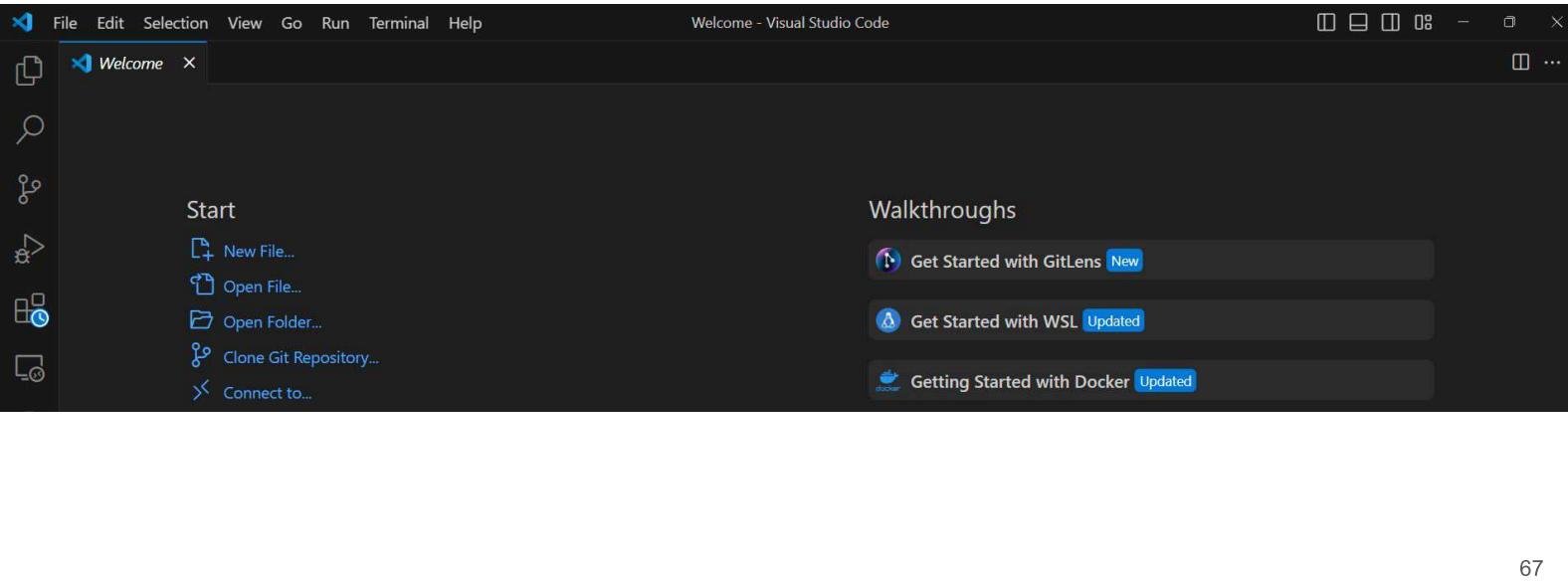
If the previous option did not work, this is another way.

- Press Windows Key.
- Type VSCode.
- Select New Window.



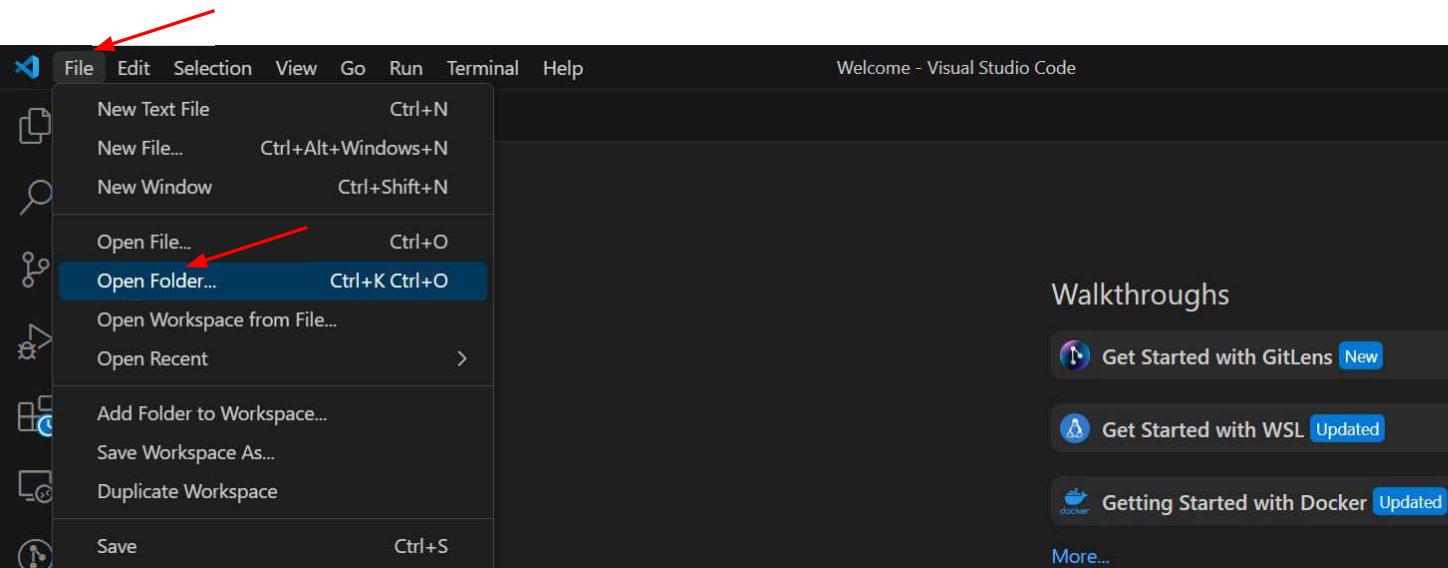
66

VSCode without any Project Opened

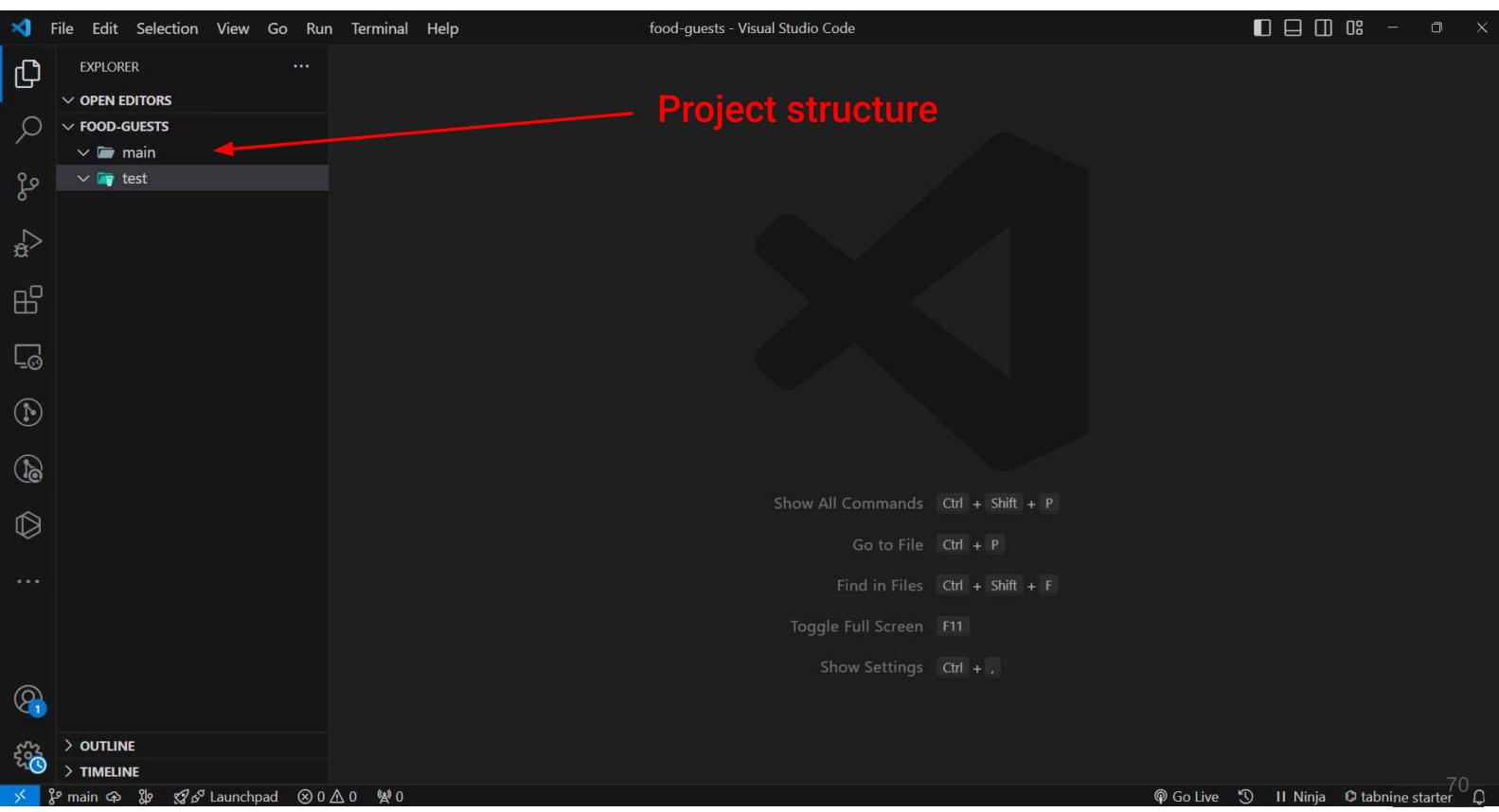
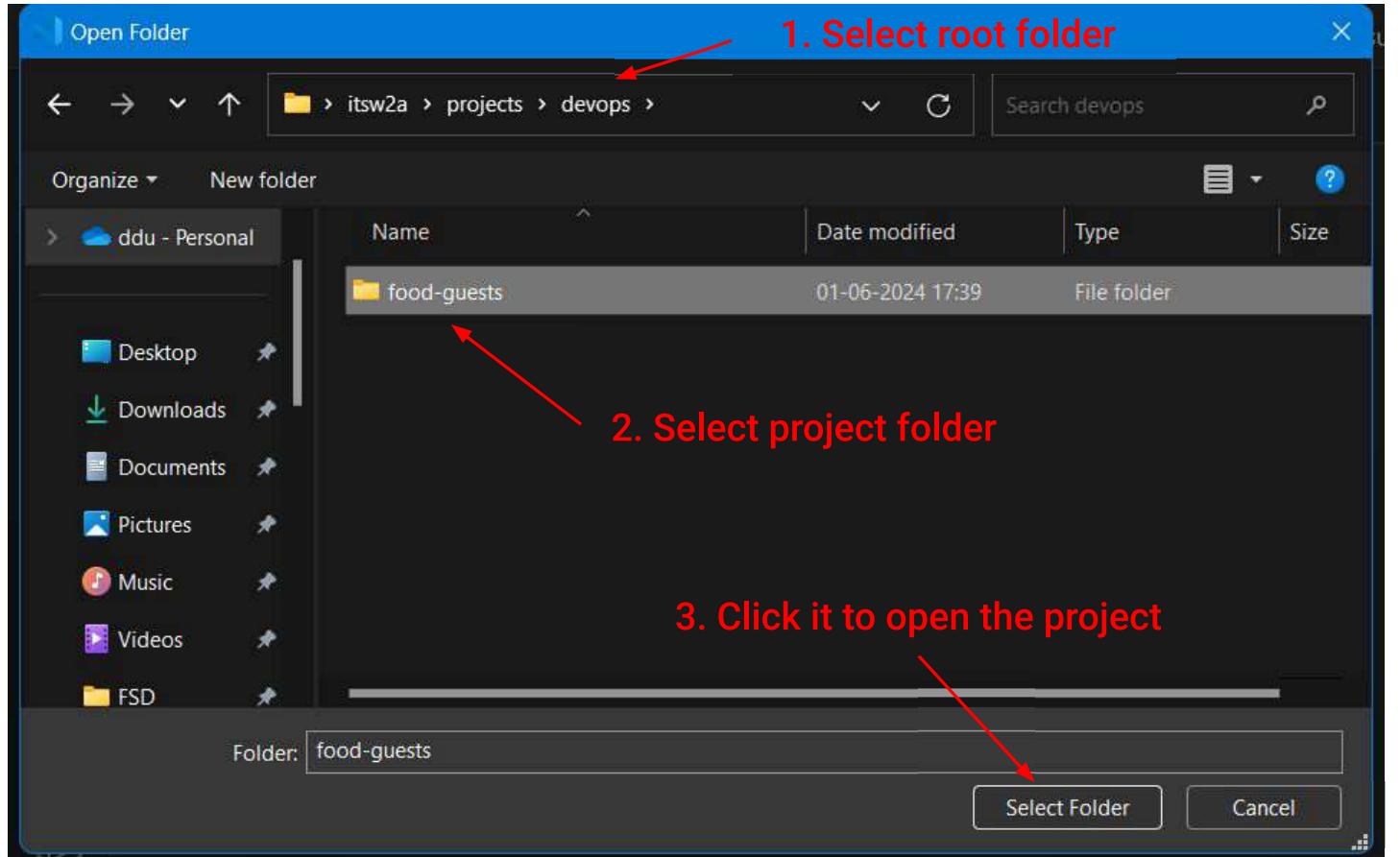


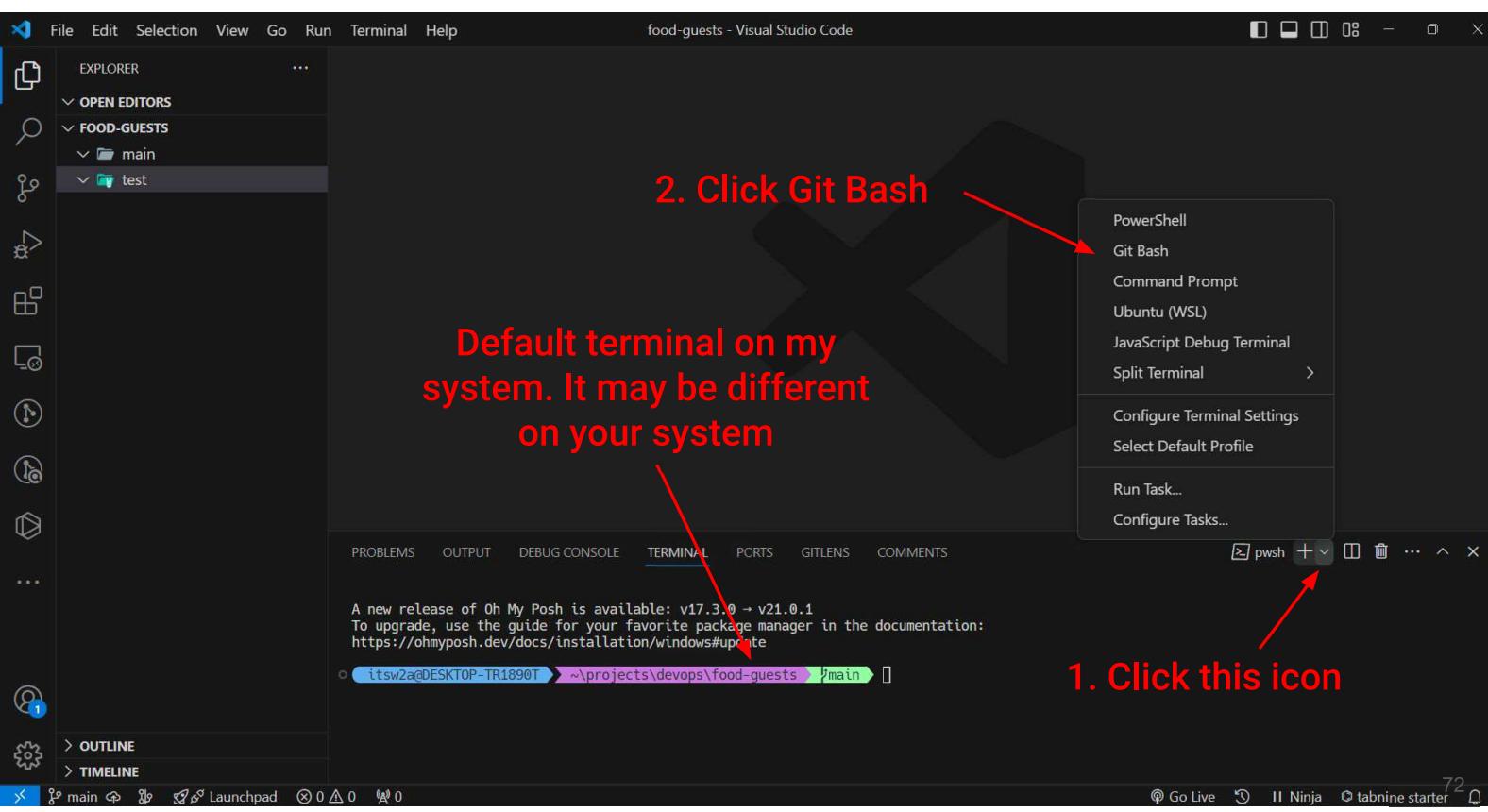
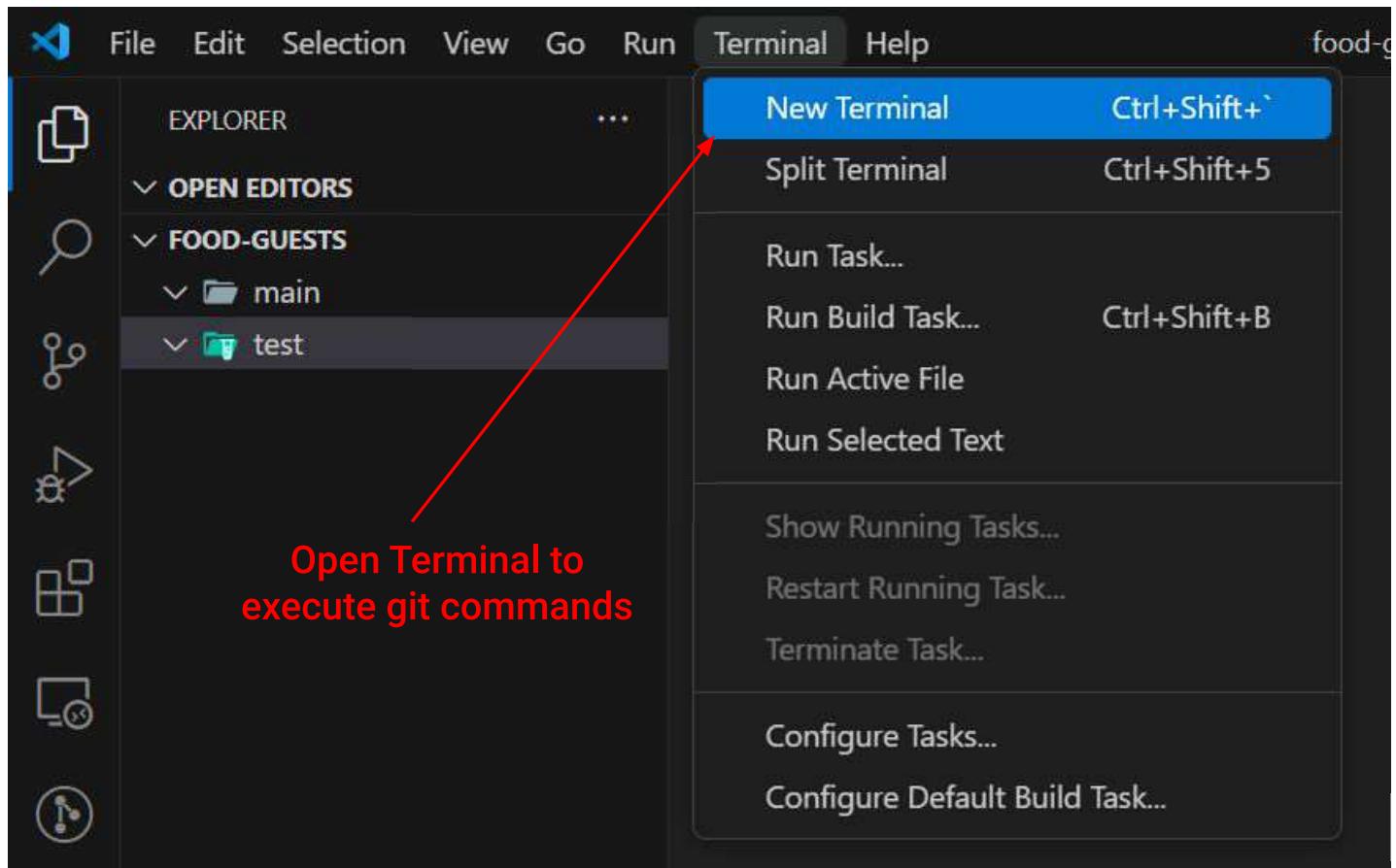
67

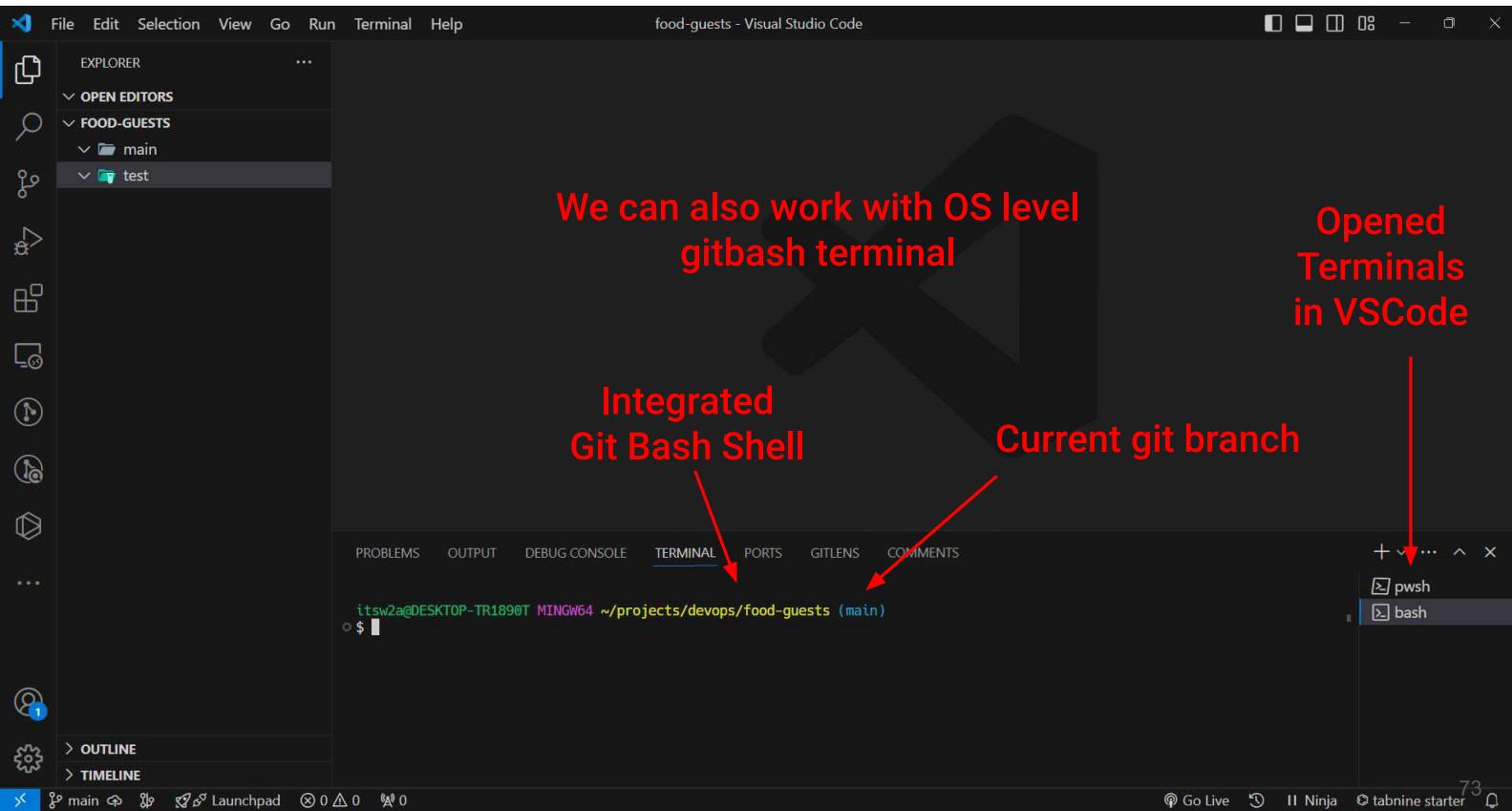
Open Project Folder



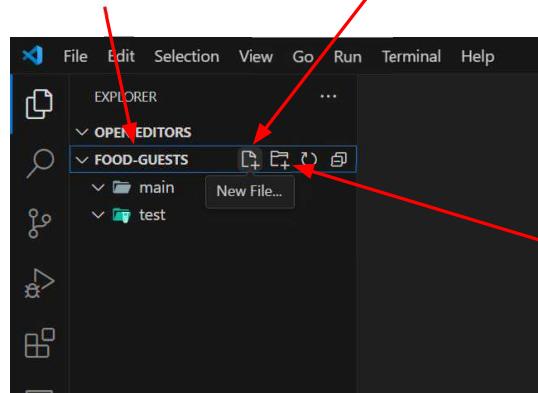
68

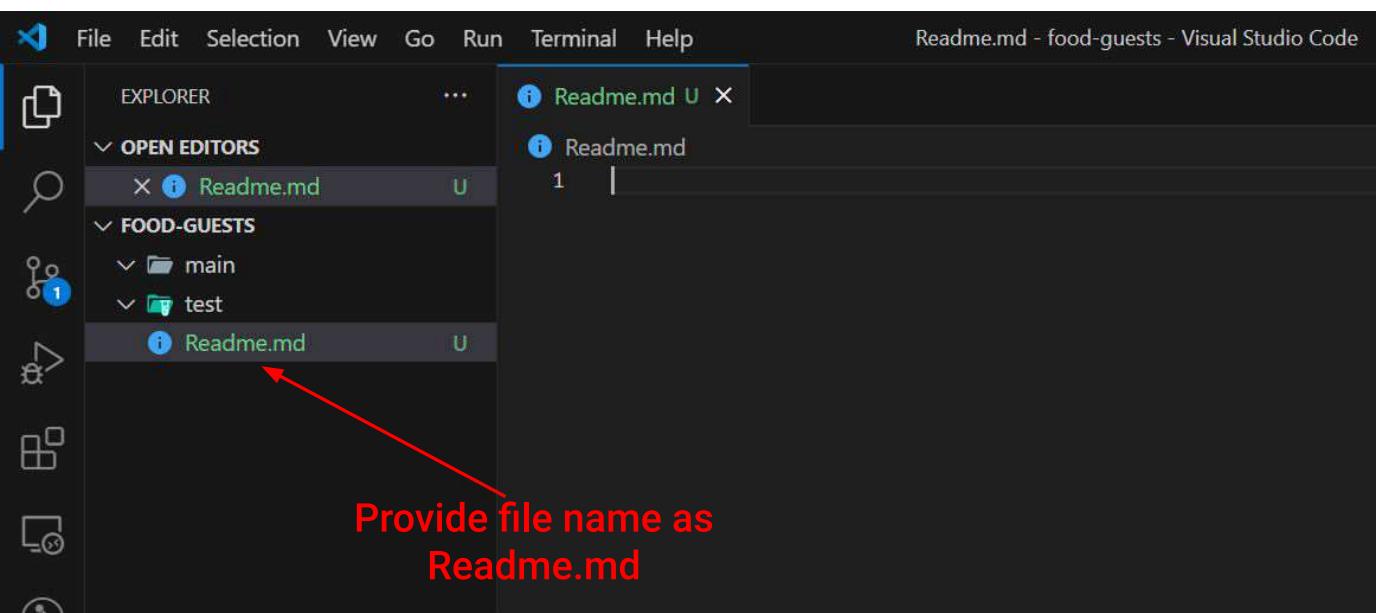




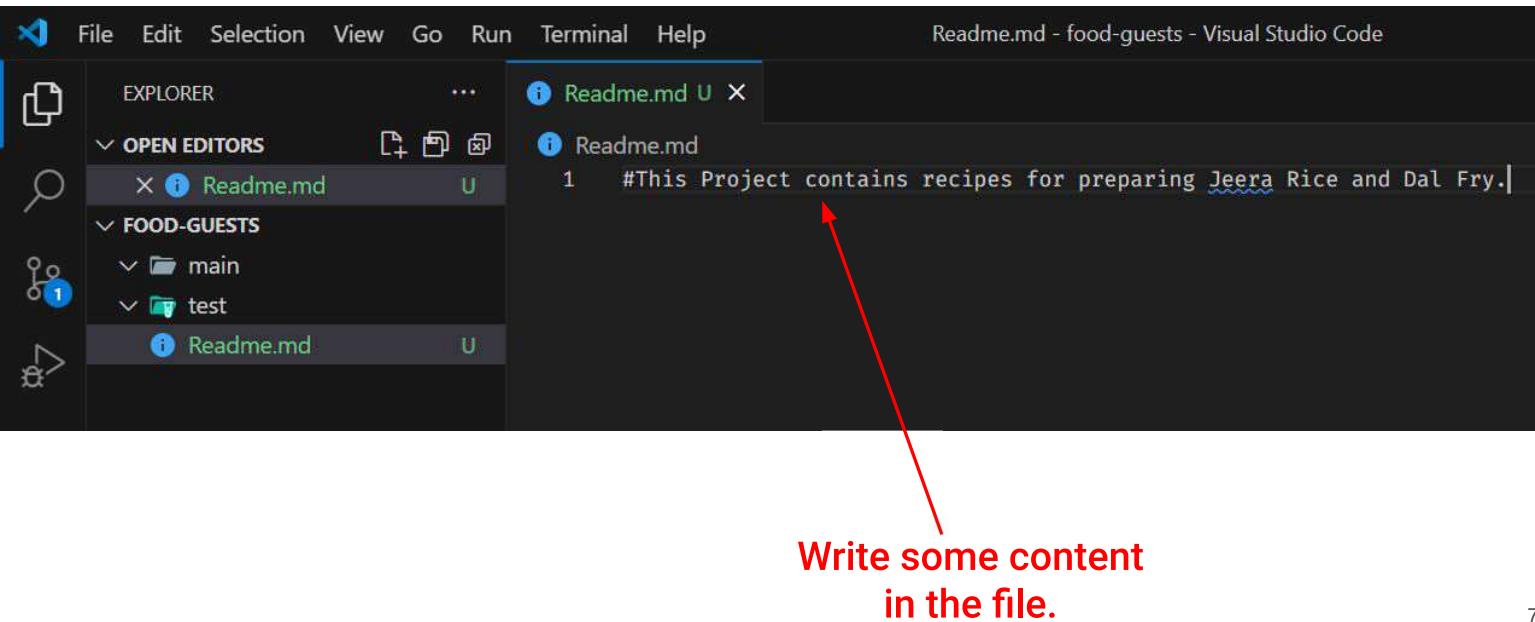


1. Keep project folder selected
2. Click to create new file



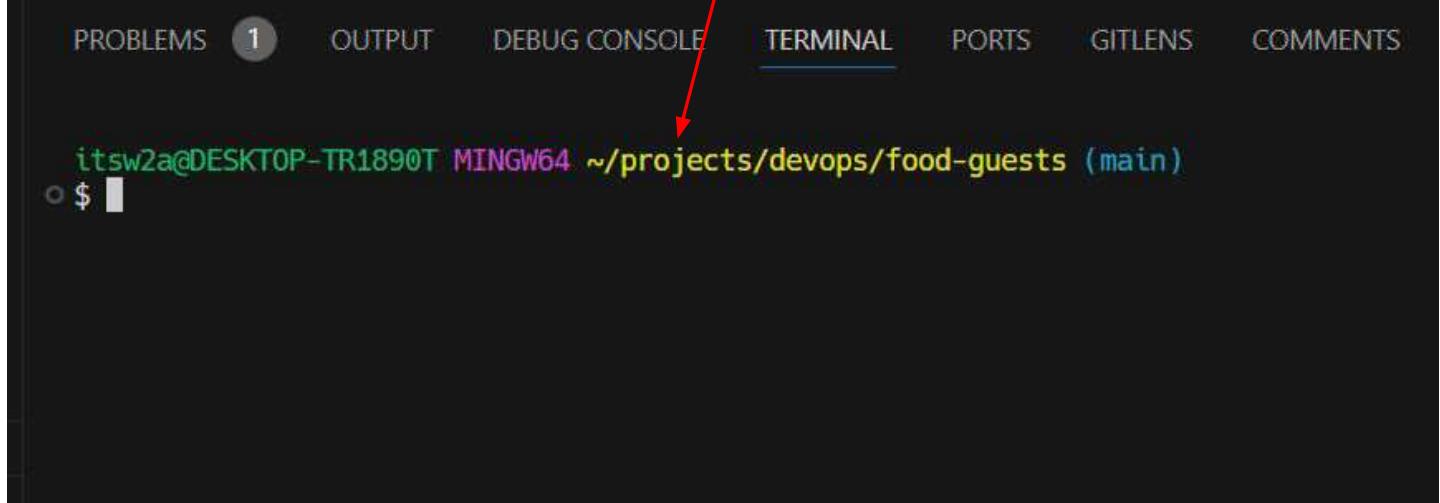


75



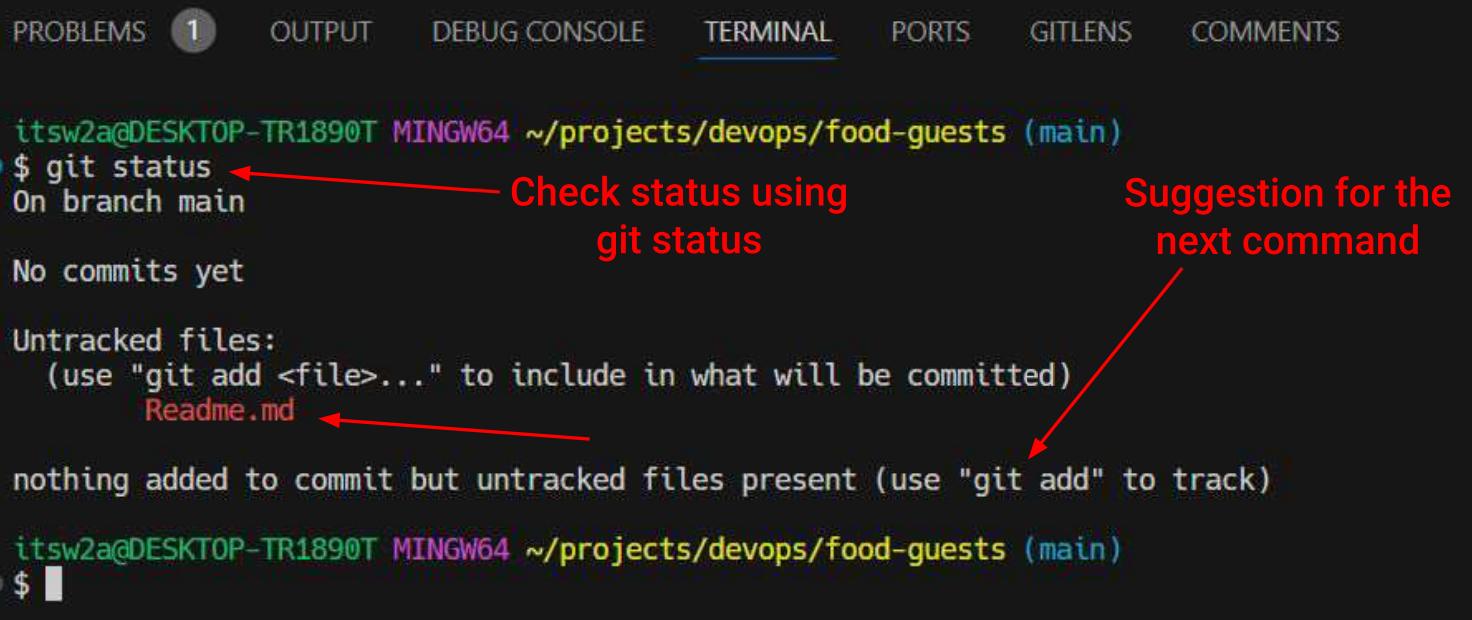
76

Go to the bash terminal



```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$
```

77



```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git status
On branch main
  Your branch is up-to-date with 'origin/main'.
    nothing added to commit but untracked files present (use "git add" to track)
      README.md
```

Check status using
git status

Suggestion for the
next command

78

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
\$ git add Readme.md

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)

\$ █

Add file to staging
area using git add

79

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)

\$ git status
On branch main

No commits yet

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

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)

\$ █

Check status using
git status

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

80

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git commit -m "Initial commit"
[main (root-commit) fda21f5] Initial commit
 1 file changed, 1 insertion(+)
 create mode 100644 README.md
```

Write commit using
git commit

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
```

○ \$ █

81

Check commit history using
git log

Author who committed
this commit (user.name)

Email of the author who
committed this commit
(user.email)

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git log
commit fda21f53b4fb388c35fd0a393ef4792da0d3ab57 (HEAD -> main)
Author: Harshad Prajapati <harshad.b.prajapati@gmail.com>
Date:   Sat Jun 1 18:12:37 2024 +0530
```

Timestamp

Initial commit

Commit message

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
```

○ \$ █

82

Check commit history using
git log --oneline

We get single line commit
information

A screenshot of the VS Code interface showing the Terminal tab selected. The terminal window displays the command \$ git log --oneline and its output, which shows a single commit message: "fda21f5 (HEAD -> main) Initial commit". The status bar at the bottom shows the path ~/projects/devops/food-guests and the branch (main). The title bar shows the project name "food-guests".

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git log --oneline
fda21f5 (HEAD -> main) Initial commit

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$
```

83

Create and checkout a new branch named
feature/jeera-rice using
git checkout -b <branch-name>

A screenshot of the VS Code interface showing the Terminal tab selected. The terminal window displays the command \$ git checkout -b feature/jeera-rice and its output, which shows the message "Switched to a new branch 'feature/jeera-rice'". The status bar at the bottom shows the path ~/projects/devops/food-guests and the branch (feature/jeera-rice). The title bar shows the project name "food-guests".

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git checkout -b feature/jeera-rice
Switched to a new branch 'feature/jeera-rice'

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$
```

Note: We can create a new branch using
git branch <branch-name>
Then checkout using
git checkout <branch-name>

New branch created and switched
to the new branch

84

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$ git log
commit fda21f53b4fb388c35fd0a393ef4792da0d3ab57 (HEAD -> feature/jeera-rice, main)
Author: Harshad Prajapati <harshad.b.prajapati@gmail.com>
Date:   Sat Jun 1 18:12:37 2024 +0530
```

Initial commit

Current branch

Check commit history using
git log

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
```

o \$ █

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

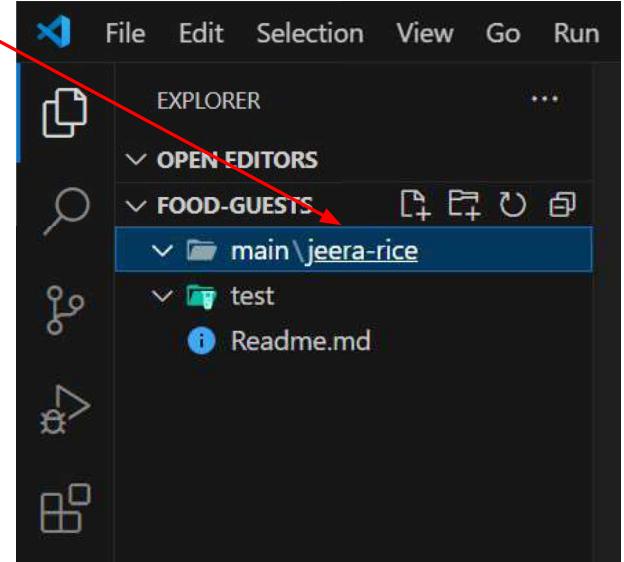
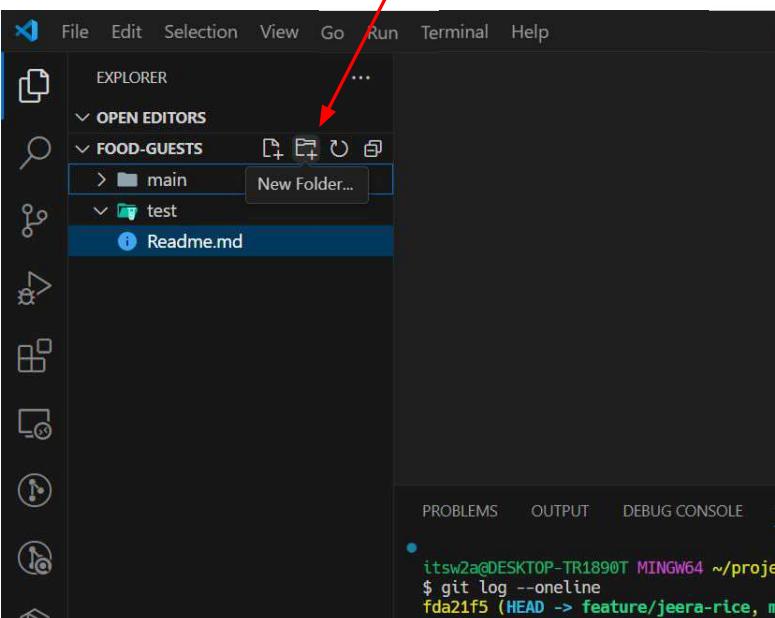
```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$ git log --oneline
fda21f5 (HEAD -> feature/jeera-rice, main) Initial commit
```

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
```

o \$ █

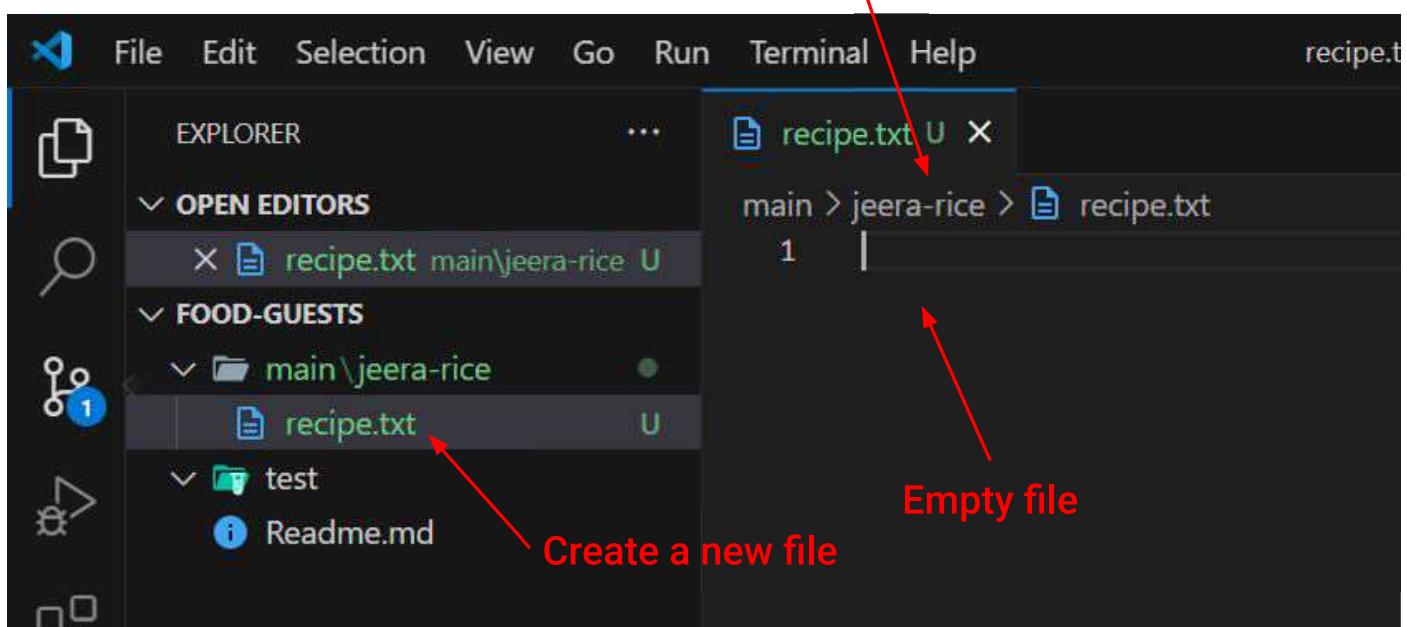
85

Create a new folder for new feature
(jeera-rice)



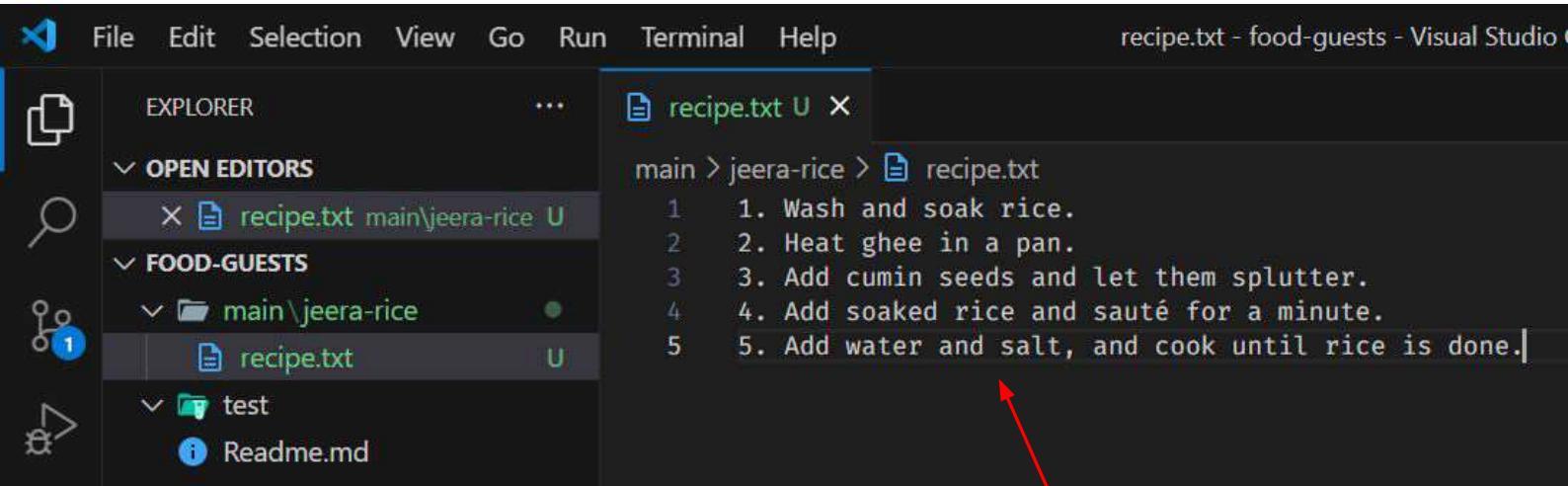
86

Complete path of the file.



87

Add steps and save
the file



88

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$
```



Go to the terminal

89

Check status

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$ git status
On branch feature/jeera-rice
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    main/

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

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$
```

90

Add everything in
staging area

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
\$ git add .

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
\$ git status
On branch feature/jeera-rice
Changes to be committed:
(use "git restore --staged <file>..." to unstage)
new file: main/jeera-rice/recipe.txt

Check status

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
\$

91

Write commit
message

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
\$ git commit -m "feat(jeera-rice): add steps of preparing Jeera Rice"
[feature/jeera-rice 8b502d8] feat(jeera-rice): add steps of preparing Jeera Rice
1 file changed, 5 insertions(+)
create mode 100644 main/jeera-rice/recipe.txt

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
\$

92

Show log, recent at top

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
● $ git log
commit 8b502d85d05b8f6014c0bca8387bf22767ee0cd4 (HEAD -> feature/jeera-rice)
Author: Harshad Prajapati <harshad.b.prajapati@gmail.com>
Date:   Sat Jun 1 20:37:14 2024 +0530

feat(jeera-rice): add steps of preparing Jeera Rice

commit fda21f53b4fb388c35fd0a393ef4792da0d3ab57 (main)
Author: Harshad Prajapati <harshad.b.prajapati@gmail.com>
Date:   Sat Jun 1 18:12:37 2024 +0530

Initial commit
○
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$ █
```

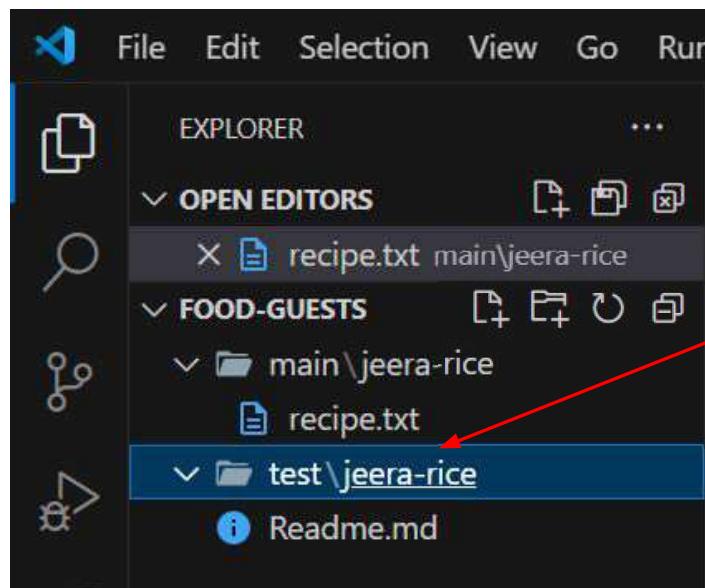
93

View oneline log

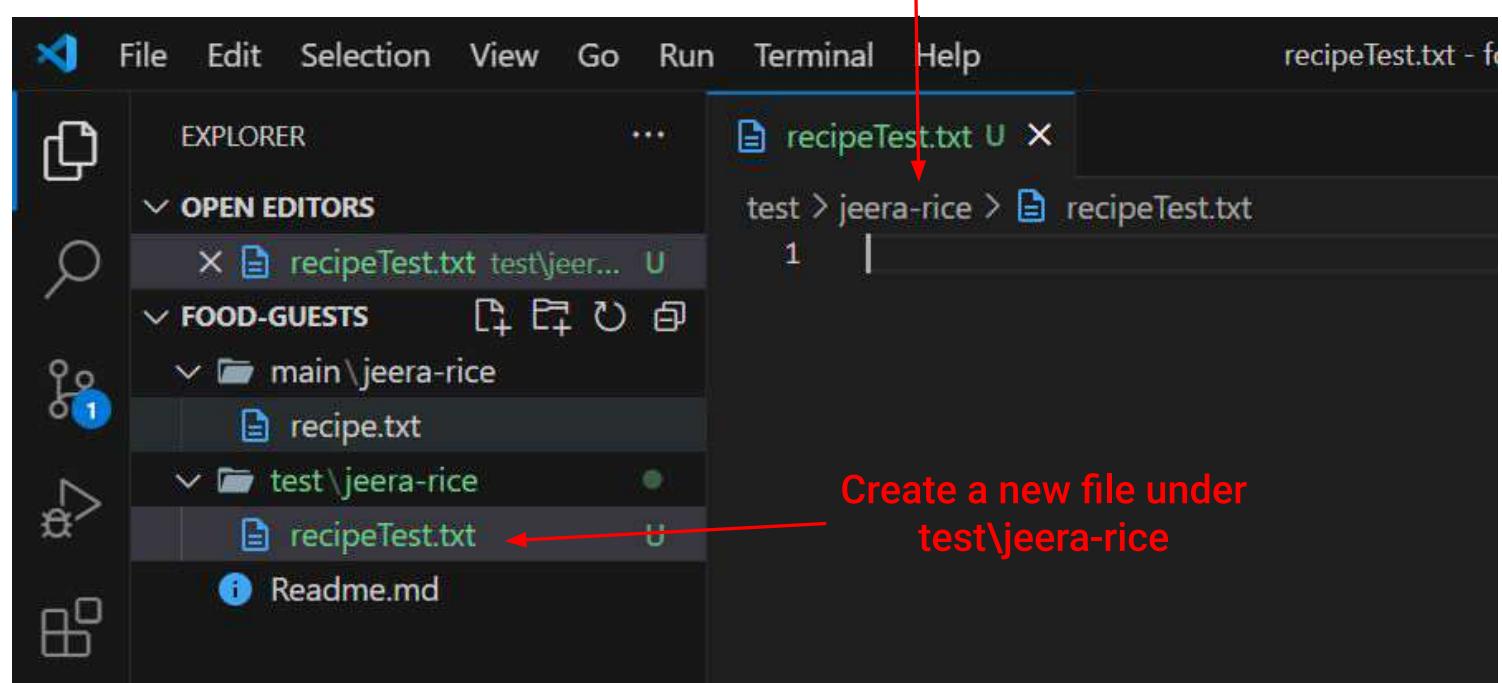
```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
● $ git log --oneline
8b502d8 (HEAD -> feature/jeera-rice) feat(jeera-rice): add steps of preparing Jeera Rice
fda21f5 (main) Initial commit

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
○ $ █
```

94



Create a new folder under test



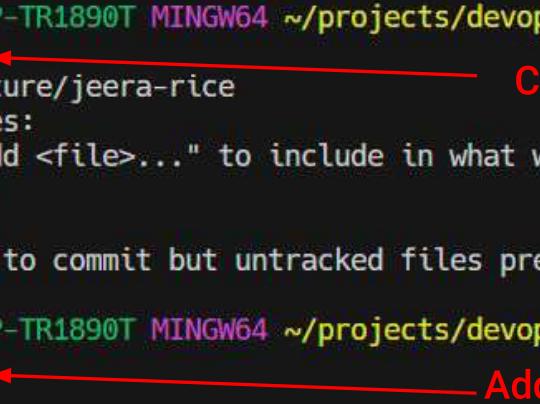
Create a new file under test\jeera-rice

Write steps in
recipeTest.txt



```
recipeTest.txt ✘
test > jeera-rice > recipeTest.txt
1 1. Look: Check if the rice grains are separate and cooked properly.
2 2. Taste: Taste the rice to ensure it's flavorful and well-cooked.
```

97



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS
● itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$ git status ←
On branch feature/jeera-rice → Check status
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    test/
nothing added to commit but untracked files present (use "git add" to track)

● itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$ git add . ← → Add changes into staging area
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$
```

98

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$ git status ← Check status
On branch feature/jeera-rice
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   test/jeera-rice/recipeTest.txt ←
```

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$
```

99

Write commit
message

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$ git commit -m "test(jeera-rice): add test for Jeera Rice"
[feature/jeera-rice 146f40f] test(jeera-rice): add test for Jeera Rice
1 file changed, 2 insertions(+)
create mode 100644 test/jeera-rice/recipeTest.txt
```

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$
```

100

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
\$ git status
On branch feature/jeera-rice
nothing to commit, working tree clean

Check status

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
\$ git log --oneline
146f40f (HEAD -> feature/jeera-rice) test(jeera-rice): add test for Jeera Rice
8b502d8 feat(jeera-rice): add steps of preparing Jeera Rice
fda21f5 (main) Initial commit

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
\$ █

101

Branch before
checkout

checkout to
main branch

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
\$ git checkout main
Switched to branch 'main'

Branch after
checkout

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
\$ █

102

This file does not exist
in main branch

File Edit Selection View Go Run Terminal Help

recipeTest.txt - food-guests - Visual Studio Code

EXPLORER

OPEN EDITORS

FOOD-GUESTS

Readme.md

recipeTest.txt

test > jeera-rice > recipeTest.txt

1. Look: Check if the rice grains are separate and cooked properly.

2. Taste: Taste the rice to ensure it's flavorful and well-cooked.

Nothing exist in main branch, except Readme.md file

103

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)

\$ git branch
feature/jeera-rice

* main

Check branches using
git branch

Current branch

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)

\$ git merge feature/jeera-rice

Updating fda21f5..146f40f

Fast-forward

main/jeera-rice/recipe.txt | 5 +++++
test/jeera-rice/recipeTest.txt | 2 ++
2 files changed, 7 insertions(+)
create mode 100644 main/jeera-rice/recipe.txt
create mode 100644 test/jeera-rice/recipeTest.txt

Merge feature branch into
main branch using
git merge <branch-name>

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)

\$

104

File Edit Selection View Go Run Terminal Help

recipeTest.txt - food-guests - Visual Studio Code

EXPLORER

OPEN EDITORS

FOOD-GUESTS

- main\jeera-rice
- recipe.txt

test\jeera-rice

- recipeTest.txt
- Readme.md

Now everything from feature branch is available in main branch

```
test > jeera-rice > recipeTest.txt
1 1. Look: Check if the rice grains are separate and cooked properly.
2 2. Taste: Taste the rice to ensure it's flavorful and well-cooked.
```

105

File Edit Selection View Go Run Terminal Help

recipeTest.txt - food-guests - Visual Studio Code

EXPLORER

OPEN EDITORS

FOOD-GUESTS

- main\jeera-rice
- recipe.txt

test\jeera-rice

- recipeTest.txt
- Readme.md

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$
```

pwsh
bash

We can also see branch name in VSCode

OUTLINE
TIMELINE

main Launchpad Ln 2, Col 67 Spaces: 2 UTF-8 CRLF Plain Text Go Live Spell Ninja tabnine starter Prettier

106

We are working in main branch

VSCode shows changes with color bar

```
recipe.txt M X
main > jeera-rice > recipe.txt
You, 1 second ago | 1 author (You)
1 1. Wash and soak rice.
2 2. Heat ghee in a pan.
3 3. Add cumin seeds and let them splutter.
4 4. Add soaked rice and sauté for a minute.
5 5. Add water and salt, and cook until rice is done.
6 6. Garnish with fresh coriander leaves.
```

We add an important step in recipe.txt

107

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git status
On branch 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:   main/jeera-rice/recipe.txt
no changes added to commit (use "git add" and/or "git commit -a")
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$
```

It is modified, not a new file

108

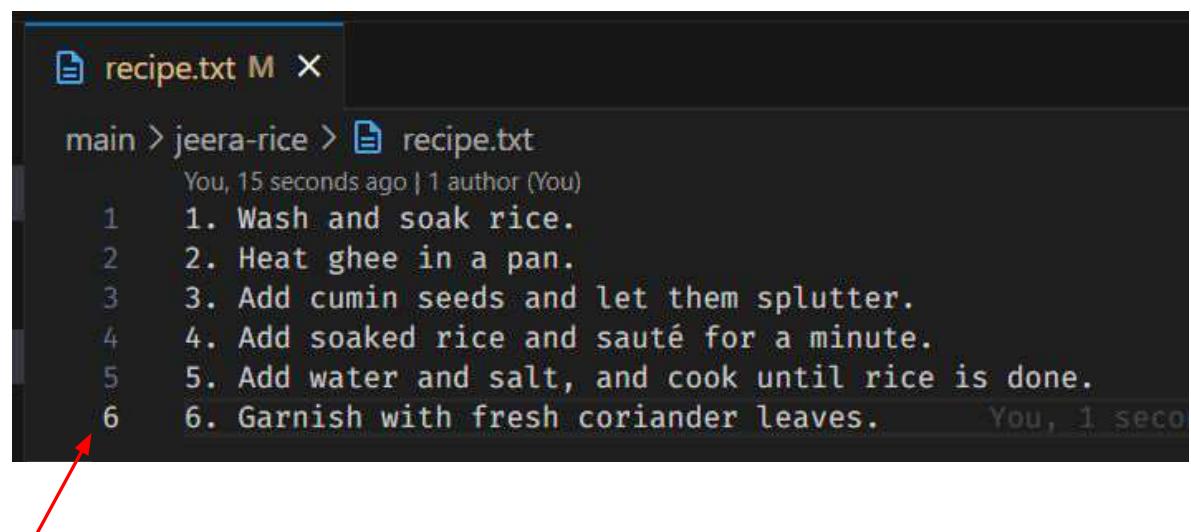
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git status
On branch main
Changes not staged for commit:
  (use "git add <file>" to stage file)
  (use "git restore <file>" to unstage file)
    modified:   main/jeera-rice/recipe.txt

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

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
● $ git add main/jeera-rice/recipe.txt
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
○ $
```

109



A screenshot of the VSCode code editor showing the file 'recipe.txt'. The file contains a numbered list of instructions for cooking jeera rice. The file path is shown in the title bar as 'main > jeera-rice > recipe.txt'. The code editor interface includes a dark theme with syntax highlighting for the text.

```
recipe.txt M X
main > jeera-rice > recipe.txt
You, 15 seconds ago | 1 author (You)
1. Wash and soak rice.
2. Heat ghee in a pan.
3. Add cumin seeds and let them splutter.
4. Add soaked rice and sauté for a minute.
5. Add water and salt, and cook until rice is done.
6. Garnish with fresh coriander leaves.
```

VSCode now does
not show color bar

110

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

- itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
\$ git status ← Check status
On branch main
Changes to be committed:
(use "git restore --staged <file>..." to unstage)
modified: main/jeera-rice/recipe.txt → Commit changes
- itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
\$ git commit -m "fix(jeera-rice): add step of garnishing"
[main ad53c61] fix(jeera-rice): add step of garnishing
1 file changed, 2 insertions(+), 1 deletion(-)
- itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
\$ █

111

Check branches

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

- itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
\$ git branch
feature/jeera-rice ← Checkout to feature branch
* main → there is no -b
- itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
\$ git checkout feature/jeera-rice
Switched to branch 'feature/jeera-rice'
- itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
\$ █

Branch changed to feature branch

112

```
recipe.txt X  
main > jeera-rice > recipe.txt  
You, 15 minutes ago | 1 author (You)  
1 1. Wash and soak rice.  
2 2. Heat ghee in a pan.  
3 3. Add cumin seeds and let them splutter.  
4 4. Add soaked rice and sauté for a minute.  
5 5. Add water and salt, and cook until rice is done.
```

Notice, there is no step 6 in
recipe.txt under feature branch

Step 6 was added while in
main branch

113

We are working in feature
branch

```
recipe.txt X  
main > jeera-rice > recipe.txt  
You, 1 second ago | 1 author (You)  
1 1. Wash and soak rice.  
2 2. Heat ghee in a pan.  
3 3. Add cumin seeds and let them splutter.  
4 4. Add soaked rice and sauté for a minute.  
5 5. Add water and salt, and cook until rice is done.  
6 | Garnish with coriander leaves. You, 1 second ago
```

New step has been added.

114

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$ git status
On branch feature/jeera-rice
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:   main/jeera-rice/recipe.txt

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

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
● $ git add main/jeera-rice/recipe.txt
```

115

Commit changes

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$ git commit -m "fix(jeera-rice): add step of garnishing"
[feature/jeera-rice 6b3aa77] fix(jeera-rice): add step of garnishing
 1 file changed, 2 insertions(+), 1 deletion(-)

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$ █
```

116

View oneline log

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$ git log --oneline
6b3aa77 (HEAD -> feature/jeera-rice) fix(jeera-rice): add step of garnishing
146f40f test(jeera-rice): add test for Jeera Rice
8b502d8 feat(jeera-rice): add steps of preparing Jeera Rice
fda21f5 Initial commit

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$ █
```

117

Checkout to main branch
there is no -b

Branch before
checkout

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (feature/jeera-rice)
$ git checkout main
Switched to branch 'main'

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ █
```

Branch after
checkout

118

```
recipe.txt  X
main > jeera-rice > recipe.txt
You, 1 second ago | 1 author (You)
1. Wash and soak rice.
2. Heat ghee in a pan.
3. Add cumin seeds and let them splutter.
4. Add soaked rice and sauté for a minute.
5. Add water and salt, and cook until rice is done.
6. Garnish with coriander leaves. You, 1 second ago

recipe.txt  X
main > jeera-rice > recip
You, 5 minutes ago | 1 author (You)
1. Wash and soak rice.
2. Heat ghee in a pan.
3. Add cumin seeds and let them splutter.
4. Add soaked rice and sauté for a minute.
5. Add water and salt, and cook until rice is done.
6. Garnish with fresh coriander leaves. You, 5
```

Code of recipe.txt under main branch

Code of recipe.txt under feature branch

119

```
recipe.txt  X
main > jeera-rice > recipe.txt
You, 1 second ago | 1 author (You)
1. Wash and soak rice.
2. Heat ghee in a pan.
3. Add cumin seeds and let them splutter.
4. Add soaked rice and sauté for a minute.
5. Add water and salt, and cook until rice is done.
6. Garnish with coriander leaves. You, 1 second ago

recipe.txt  X
main > jeera-rice > recip
You, 5 minutes ago | 1 author (You)
1. Wash and soak rice.
2. Heat ghee in a pan.
3. Add cumin seeds and let them splutter.
4. Add soaked rice and sauté for a minute.
5. Add water and salt, and cook until rice is done.
6. Garnish with fresh coriander leaves. You, 5
```

Code of recipe.txt under main branch

Code of recipe.txt under feature branch

120

Check commit history using
git log --oneline



PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git log --oneline
ad53c61 (HEAD -> main) fix(jeera-rice): add step of garnishing
146f40f test(jeera-rice): add test for Jeera Rice
8b502d8 feat(jeera-rice): add steps of preparing Jeera Rice
fda21f5 Initial commit

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ █
```

121

Check available branches

Current branch



PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git branch
  feature/jeera-rice
* main

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git merge feature/jeera-rice █
```

Merge feature branch into main branch

122

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git branch
  feature/jeera-rice
* main

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
* $ git merge feature/jeera-rice
Auto-merging main/jeera-rice/recipe.txt
CONFLICT (content): Merge conflict in main/jeera-rice/recipe.txt
Automatic merge failed; fix conflicts and then commit the result.

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main|MERGING)
* $
```

Result of merge Merging is ongoing
git suggests the next step

123

File content of recipe.txt

```
recipe.txt ! X
main > jeera-rice > recipe.txt
You, 1 second ago | 1 author (You)
1. Wash and soak rice.
2. Heat ghee in a pan.
3. Add cumin seeds and let them splutter.
4. Add soaked rice and sauté for a minute.
5. Add water and salt, and cook until rice is done.
6. Garnish with fresh coriander leaves.
_____
Garnish with coriander leaves.
>>>>> feature/jeera-rice (Incoming Change)
```

Possible actions in VSCode

124

recipe.txt

main > jeera-rice > recipe.txt

You, 1 second ago | 1 author (You)

1. Wash and soak rice.
2. Heat ghee in a pan.
3. Add cumin seeds and let them splutter.
4. Add soaked rice and sauté for a minute.
5. Add water and salt, and cook until rice is done.

Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Changes

<<<<< HEAD (Current Change)
6. Garnish with fresh coriander leaves.
=====

Garnish with coriander leaves.

>>>>> feature/jeera-rice (Incoming Change)

Line from main branch (current)
Line from feature branch

125

View file content
on terminal

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main|Merging)

- \$ cat main/jeera-rice/recipe.txt

1. Wash and soak rice.
2. Heat ghee in a pan.
3. Add cumin seeds and let them splutter.
4. Add soaked rice and sauté for a minute.
5. Add water and salt, and cook until rice is done.

<<<<< HEAD
6. Garnish with fresh coriander leaves.
=====

Garnish with coriander leaves.

>>>>> feature/jeera-rice

126

```
recipe.txt ! X  
main > jeera-rice > recipe.txt  
You, 1 second ago | 1 author (You)  
1 1. Wash and soak rice.  
2 2. Heat ghee in a pan.  
3 3. Add cumin seeds and let them splutter.  
4 4. Add soaked rice and sauté for a minute.  
5 5. Add water and salt, and cook until rice is done.  
6 6. Garnish with FRESH coriander leaves.| You, 1
```

Resolve conflict

127

View status

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS  
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main|MERGING)  
$ git status  
On branch main  
You have unmerged paths.  
(fix conflicts and run "git commit")  
(use "git merge --abort" to abort the merge)  
Unmerged paths:  
(use "git add <file>..." to mark resolution)  
both modified: main/jeera-rice/recipe.txt  
no changes added to commit (use "git add" and/or "git commit -a")
```

128

Add changes in staging area

Commit changes

Branch before commit

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main|MERGING)
$ git add main/jeera-rice/recipe.txt

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main|MERGING)
$ git commit -m "fix(jeera-rice): corrected the step of garnishing"
[main 7583cdc] fix(jeera-rice): corrected the step of garnishing

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$
```

Branch after commit

129

Check commit history using
git log

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git log --oneline
7583cdc (HEAD -> main) fix(jeera-rice): corrected the step of garnishing
6b3aa77 (feature/jeera-rice) fix(jeera-rice): add step of garnishing
ad53c61 fix(jeera-rice): add step of garnishing
146f40f test(jeera-rice): add test for Jeera Rice
8b502d8 feat(jeera-rice): add steps of preparing Jeera Rice
fda21f5 Initial commit

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$
```

130



Working with GitHub

131

Working with GitHub

- We would like to share our **code** with other **team members**.
- We use **service (github)**.
- We need an **account on github**.
 - Create your account on GitHub if you do **not already have**.

132

Configure SSH Login

133

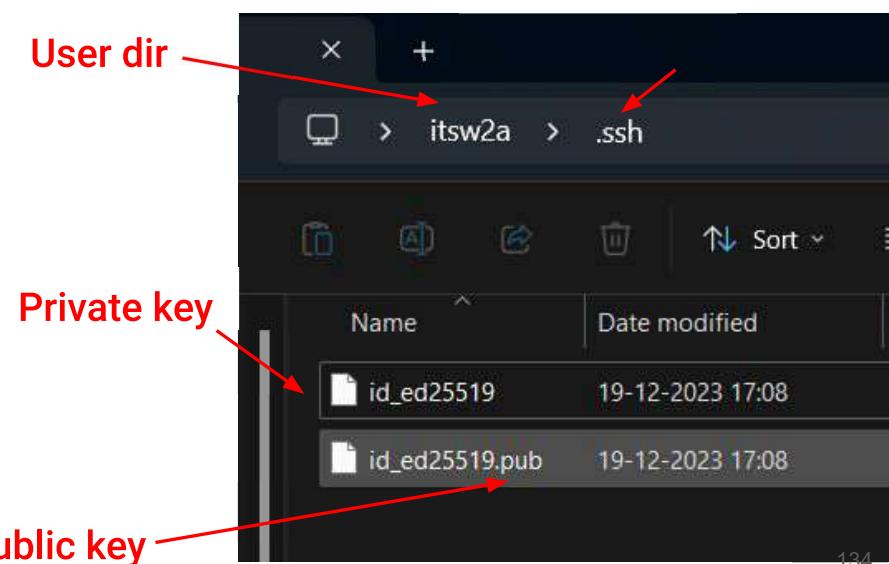
Create .ssh Directory under user's Home Directory

- .ssh directory on my system is already present:

File browser

Terminal

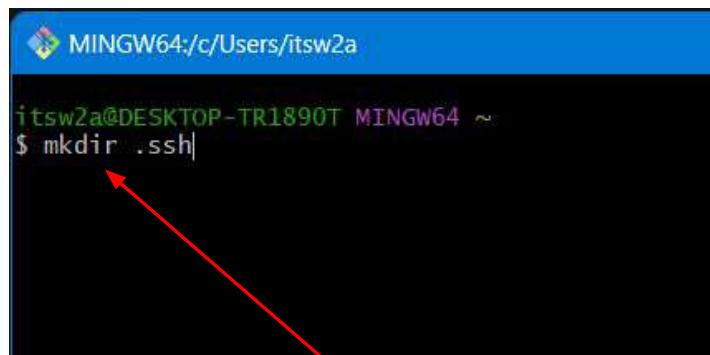
```
MINGW64:/c/Users/itsw2a
itsw2a@DESKTOP-TR1890T MINGW64 ~
$ pwd
/c/Users/itsw2a
itsw2a@DESKTOP-TR1890T MINGW64 ~
$ ls .ssh
id_ed25519  id_ed25519.pub
itsw2a@DESKTOP-TR1890T MINGW64 ~
$ |
```



134

Create .ssh Directory under user's Home Directory

- **Create .ssh directory** under user's home directory:
 - Do it only if it is **not already there**.



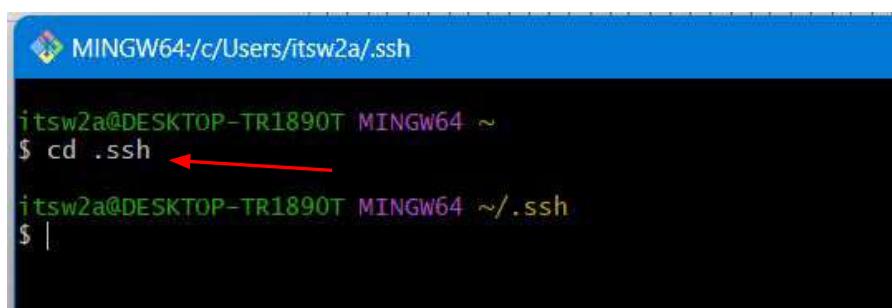
A screenshot of a terminal window titled "MINGW64:/c/Users/itsw2a". The command "\$ mkdir .ssh" is being typed. A red arrow points from the text "Create it under ~ (home directory)" to the ".ssh" part of the command.

Create it under ~ (home directory)

135

Go to the created .ssh directory

- Go to .ssh directory.

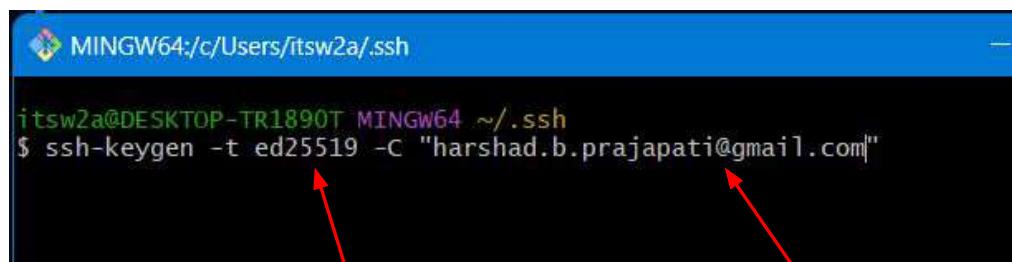


A screenshot of a terminal window titled "MINGW64:/c/Users/itsw2a/.ssh". The command "\$ cd .ssh" is being typed. A red arrow points from the text "Create it under ~ (home directory)" to the ".ssh" part of the command.

136

Create SSH Key Pair

- Create new key pair using ssh-keygen command:
 - ssh-keygen -t <key-algo> -C "<email>"



```
MINGW64:/c/Users/itsw2a/.ssh
$ ssh-keygen -t ed25519 -C "harshad.b.prajapati@gmail.com"
```

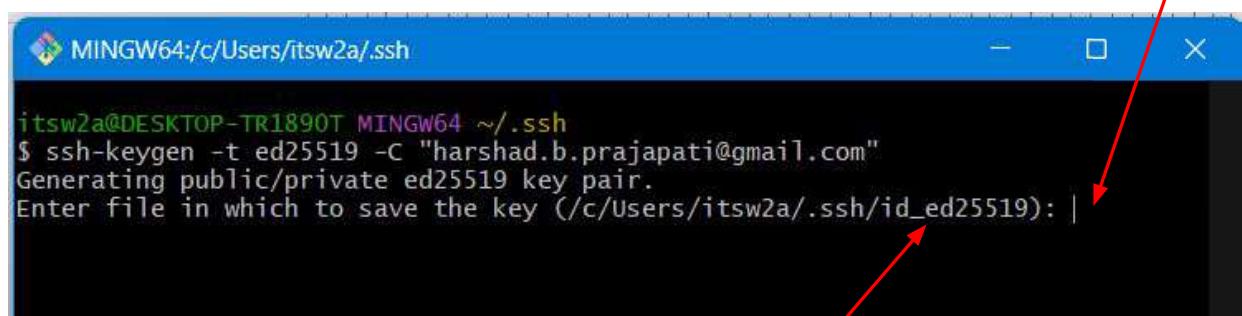
This is newer algo.
On old system, we can use rsa

Write your own email here

<https://docs.github.com/en/authentication/connecting-to-github-with-ssh/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent> 137

Create SSH Key Pair

2. We provide unique file name.



```
MINGW64:/c/Users/itsw2a/.ssh
$ ssh-keygen -t ed25519 -C "harshad.b.prajapati@gmail.com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/itsw2a/.ssh/id_ed25519): |
```

1. This is the default name.
We already have this file in use.

<https://docs.github.com/en/authentication/connecting-to-github-with-ssh/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent> 138

1. We provide unique file name
as id_ed25519_drhbp

2. We provide passphrase as
drhbp

3. Public/private keys get stored.

Newly created public key

Newly created private key

```
MINGW64:/c/Users/itsw2a/.ssh
$ ls
id_ed25519  id_ed25519.pub  id_ed25519_drhbp  id_ed25519_drhbp.pub
```

Start SSH Agent to Add our Key

- Start the **ssh-agent** in the **background** (using eval “\$(ssh-agent -s)”)

Start agent

```
MINGW64:/c/Users/itsw2a/.ssh
itsw2a@DESKTOP-TR1890T MINGW64 ~/.ssh
$ eval "$(ssh-agent -s)"
Agent pid 1927
itsw2a@DESKTOP-TR1890T MINGW64 ~/.ssh
$ |
```

A screenshot of a terminal window titled "MINGW64:/c/Users/itsw2a/.ssh". The window contains a single line of text: "\$ eval \"\$(ssh-agent -s)\"". A red arrow points from the text "Start agent" above the terminal to the word "eval" in the terminal command.

141

Add your SSH private key to the ssh-agent

- We **add** our SSH **private key** to the **ssh-agent**.
(using \$ ssh-add ~/.ssh/id_ed25519_drhbp)

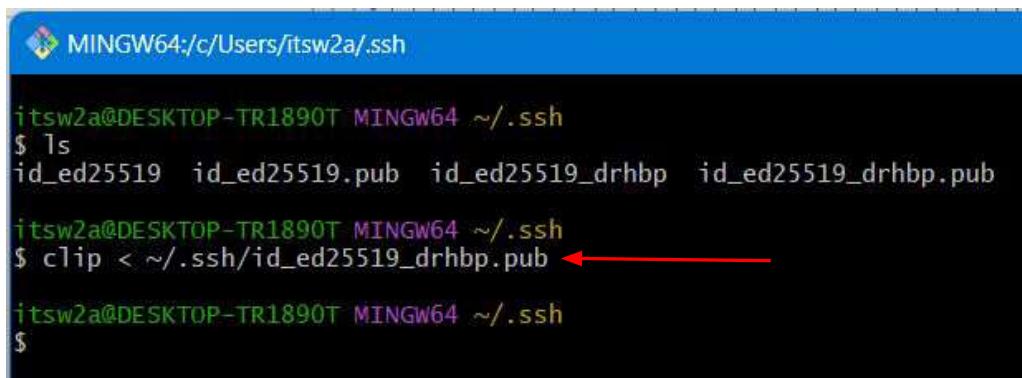
```
MINGW64:/c/Users/itsw2a/.ssh
itsw2a@DESKTOP-TR1890T MINGW64 ~/.ssh
$ ls
id_ed25519  id_ed25519.pub  id_ed25519_drhbp  id_ed25519_drhbp.pub
itsw2a@DESKTOP-TR1890T MINGW64 ~/.ssh
$ ssh-add ~/.ssh/id_ed25519_drhbp
Enter passphrase for /c/Users/itsw2a/.ssh/id_ed25519_drhbp:
Identity added: /c/Users/itsw2a/.ssh/id_ed25519_drhbp (harshad.b.prajapati@gmail.com)
itsw2a@DESKTOP-TR1890T MINGW64 ~/.ssh
$
```

A screenshot of a terminal window titled "MINGW64:/c/Users/itsw2a/.ssh". The window shows the user has files "id_ed25519", "id_ed25519.pub", "id_ed25519_drhbp", and "id_ed25519_drhbp.pub". The user runs the command "\$ ssh-add ~/.ssh/id_ed25519_drhbp". A red arrow points from the text "Enter passphrase" to the word "passphrase" in the terminal command.

142

Add your SSH Public key to GitHub Account

- Copy the content of public file into clipboard. If `clip` command does not work, we can open the file in text editor and can do select all and copy.



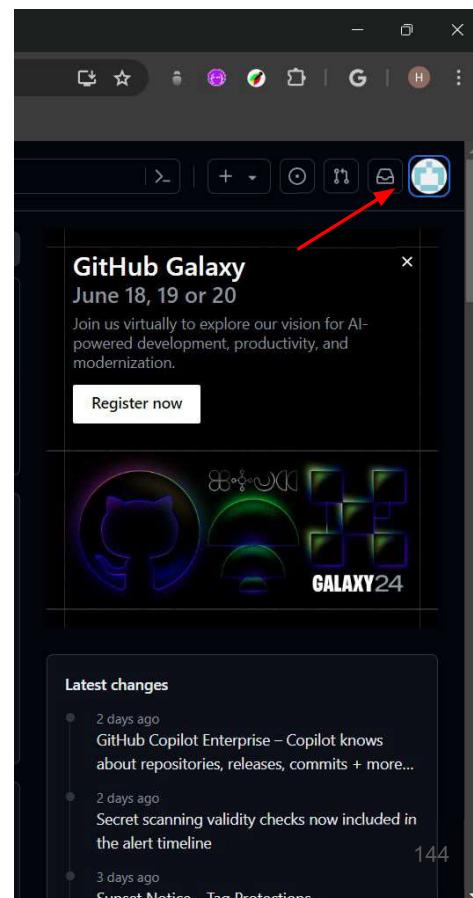
```
MINGW64:/c/Users/itsw2a/.ssh
itsw2a@DESKTOP-TR1890T MINGW64 ~/ssh
$ ls
id_ed25519  id_ed25519.pub  id_ed25519_drhbp  id_ed25519_drhbp.pub

itsw2a@DESKTOP-TR1890T MINGW64 ~/ssh
$ clip < ~/ssh/id_ed25519_drhbp.pub ←
```

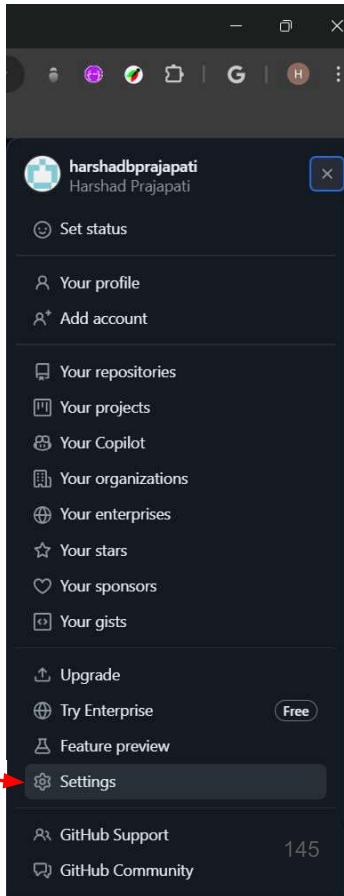
143

Go to GitHub.com and Login

- Go to `github.com`.
- Login.
- Click Profile Icon.



144



Click Settings.

Your profile github.com/settings/profile

Harshad Prajapati (harshadbprajapati)
Your personal account [Go to your personal profile](#)

Public profile

Public profile

Name
Harshad Prajapati
Your name may appear around GitHub where you contribute or are mentioned. You can remove it at any time.

Profile picture

Public email
Select a verified email to display [Edit](#)
You can manage verified email addresses in your [email settings](#).

Bio
Tell us a little bit about yourself
You can @mention other users and organizations to link to them.

SSH and GPG keys [Edit](#)

Pronouns
he/him

URL

Code, planning, and automation

146

Click keys section

A screenshot of a web browser showing the GitHub settings page for the user 'Harshad Prajapati'. The URL is `github.com/settings/keys`. The left sidebar shows various account settings like Public profile, Account, Appearance, Accessibility, Notifications, Access, Billing and plans, Emails, Password and authentication, Sessions, and SSH and GPG keys (which is selected). The main content area is titled 'SSH keys' and contains the message: 'My system already has keys configured'. It includes a 'New SSH key' button and a note: 'Click to add a new SSH public key'. Below this is a section for 'GPG keys' with a 'New GPG key' button and a 'Delete' button. A red arrow points from the text 'You may not see such keys.' to the 'New SSH key' button.

You May See the Following

You may see such screen.

A screenshot of the GitHub settings page for the user 'Harshad Prajapati', specifically the 'SSH keys' section. The URL is `github.com/settings/keys`. The left sidebar shows the 'SSH and GPG keys' section is selected. The main content area is titled 'SSH keys' and contains the message: 'There are no SSH keys associated with your account.' It includes a link to 'Check out our guide to generating SSH keys or troubleshoot common SSH problems.' A red arrow points from the text 'Click to add a new SSH public key' to the 'New SSH key' button.

Click to add a new SSH public key

The screenshot shows the GitHub Settings interface for managing SSH and GPG keys. On the left, there's a sidebar with various account settings like Public profile, Account, Appearance, Accessibility, Notifications, Access, Billing and plans, Emails, Password and authentication, Sessions, SSH and GPG keys (which is selected and highlighted in blue), Organizations, Enterprises, and Moderation. Below that is a section for Code, planning, and automation. At the top right, there's a search bar, a 'Go to your personal profile' button, and several small icons. The main content area is titled 'Add new SSH Key'. It has fields for 'Title' (containing 'DevOpsDemo') and 'Key type' (set to 'Authentication Key'). Below these is a large text area labeled 'Key' with placeholder text: 'Begins with 'ssh-rsa', 'ecdsa-sha2-nistp256', 'ecdsa-sha2-nistp384', 'ecdsa-sha2-nistp521', 'ssh-ed25519', 'sk-ecdsa-sha2-nistp256@openssh.com', or 'sk-ssh-ed25519@openssh.com''. A red arrow points from the text '1. Write some unique and meaningful name' to the 'Title' input field. Another red arrow points from the text '2. Paste here clipboard content' to the 'Key' text area. At the bottom is a green 'Add SSH key' button.

149

This screenshot shows the same GitHub Settings page as the previous one, but with a public SSH key already pasted into the 'Key' field. The 'Key' field contains the text 'ssh-ed25519' followed by a large redacted area, and 'harshad.b.prajapati@gmail.com' at the end. A red arrow points from the text 'Click it to add this public key into GitHub' to the 'Add SSH key' button at the bottom. The rest of the interface is identical to the first screenshot.

150



Confirm access

Signed in as
@harshadbprajapati

Password

Forgot password?

Confirm

Tip: You are entering [sudo mode](#). After you've performed a sudo-protected action, you'll only be asked to re-authenticate again after a few hours of inactivity.

Authorize by providing password

[Terms](#) [Privacy](#) [Docs](#) [Contact GitHub Support](#) [Manage cookies](#) [Do not share my personal information](#)

151

Harshad Prajapati (harshadbprajapati)
Your personal account [Go to your personal profile](#)

[New SSH key](#)

[Public profile](#) [Account](#) [Appearance](#) [Accessibility](#) [Notifications](#)

[Access](#) [Billing and plans](#) [Emails](#) [Password and authentication](#) [Sessions](#) [SSH and GPG keys](#) [Organizations](#)

SSH keys

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

Authentication keys

	DevOpsDemo	Added on Jun 2, 2024	Delete
		Never used — Read/write	Delete

[Check out our guide to connecting to GitHub using SSH keys or troubleshoot common SSH problems.](#)

Newly added key

152

[GitHub] A new SSH authentication public key was added to your account

GitHub <noreply@github.com>
to me ← Check email address

The following SSH key was added to your account:

DevOpsDemo
SHA256: [REDACTED]

If you believe this key was added in error, you can remove the key and disable access at the following location:

<https://github.com/settings/keys>

Reply Forward

We receive an email from github

153

from: GitHub <noreply@github.com>

to: Harshad Prajapati <harshad.b.prajapati@gmail.com>

date: Jun 2, 2024, 10:43AM

subject: [GitHub] A new SSH authentication public key was added to your account

mailed-by: github.com

signed-by: github.com

security: Standard encryption (TLS) [Learn more](#)

Important according to Google magic.

Recipient's email address

Configuration for Multiple Keys

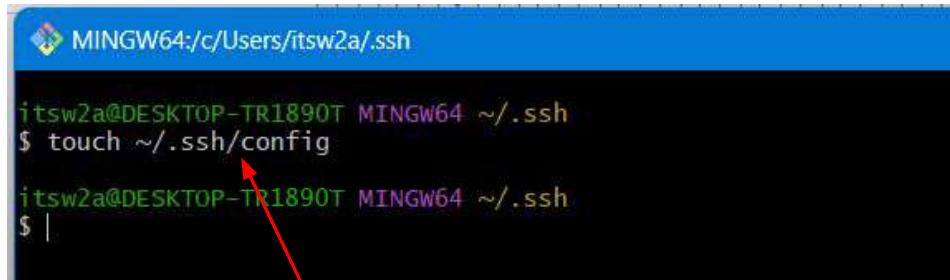
155

Configuration for Multiple Keys

- Now, my system has multiple public/private keys, I need to configure keys.
 - We need to create a file named config under .ssh directory:
 - touch ~/.ssh/config

156

Configuration for Multiple Keys

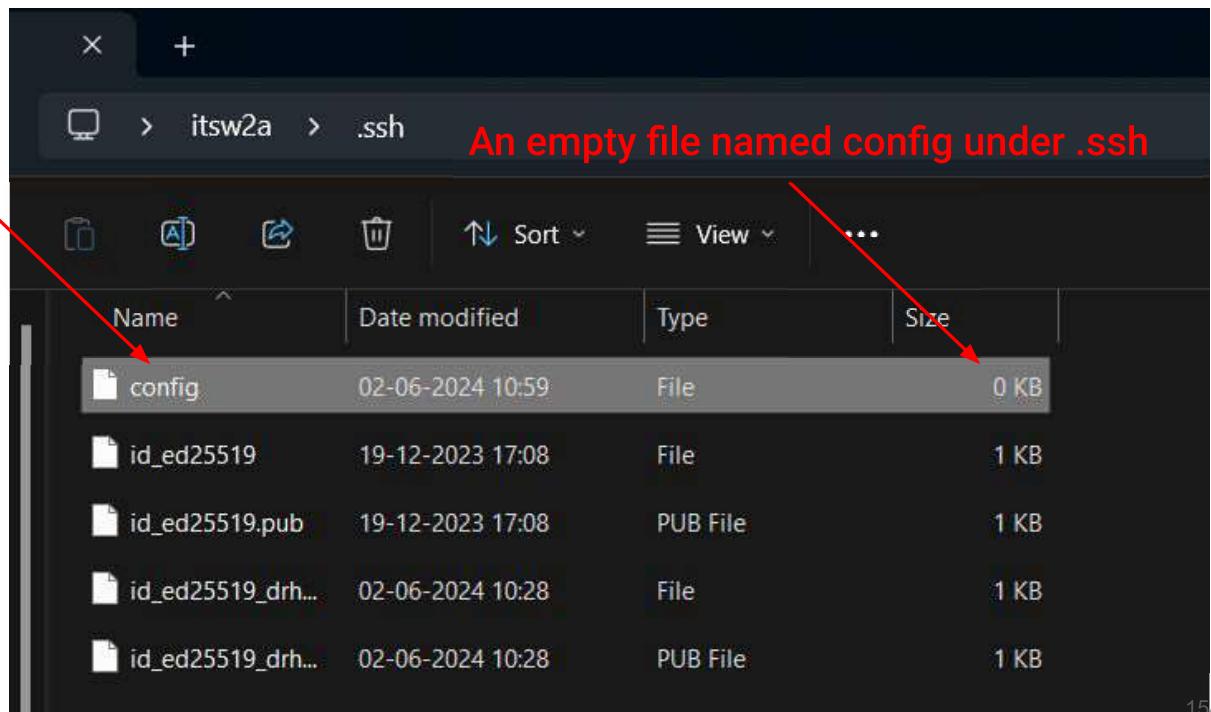


```
MINGW64:/c/Users/itsw2a/.ssh
$ touch ~/.ssh/config
$ |
```

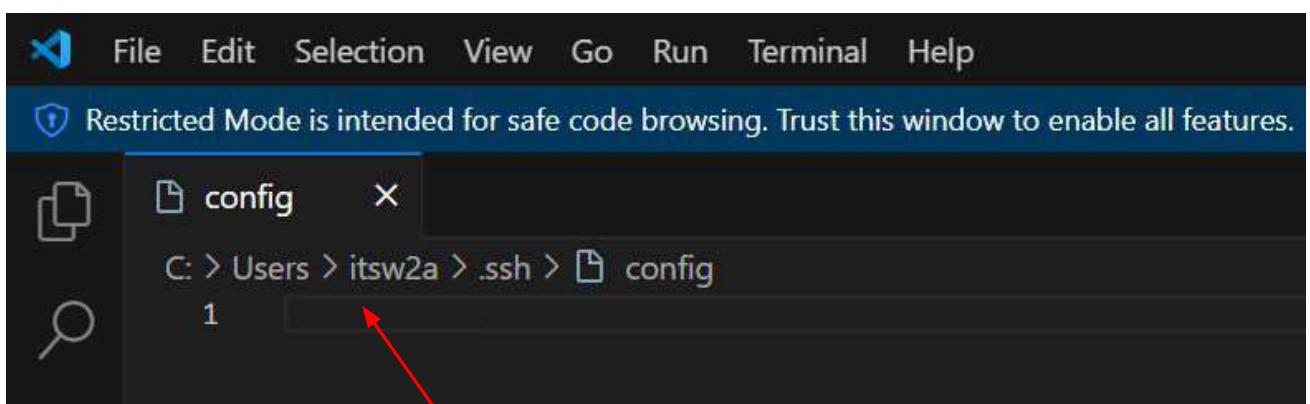
Create an empty file named config under .ssh

157

Open it in
VSCode



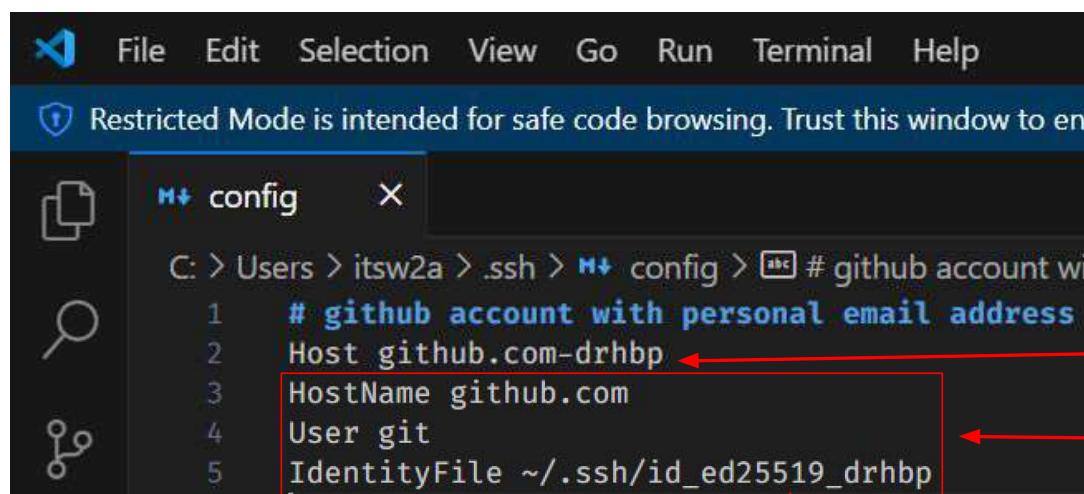
158



```
C: > Users > itsw2a > .ssh > config
```

We will write here configuration

159



```
# github account with personal email address
Host github.com-drhbp
HostName github.com
User git
IdentityFile ~/.ssh/id_ed25519_drhbp
```

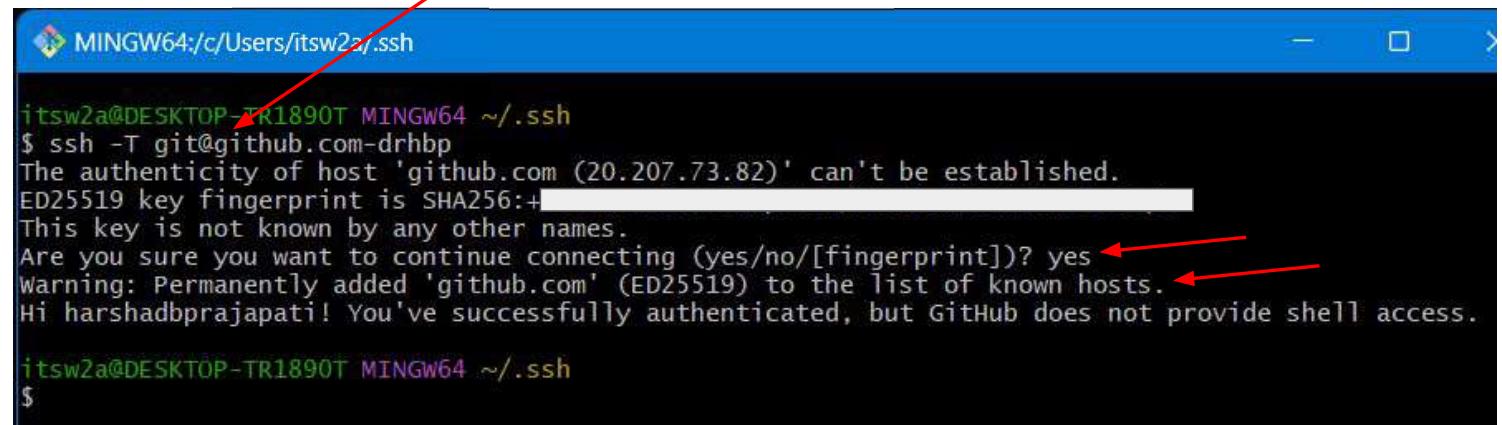
We use this host (alias)

That alias refers to
this configuration

Specify private key file to be used while
authenticating

160

We test connection.
Host is alias



```
MINGW64:/c/Users/itsw2a/.ssh
itsw2a@DESKTOP-TR1890T MINGW64 ~/.ssh
$ ssh -T git@github.com-drhbp
The authenticity of host 'github.com (20.207.73.82)' can't be established.
ED25519 key fingerprint is SHA256:+[REDACTED]
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes ←
warning: Permanently added 'github.com' (ED25519) to the list of known hosts. ←
Hi harshadbprajapati! You've successfully authenticated, but GitHub does not provide shell access.

itsw2a@DESKTOP-TR1890T MINGW64 ~/.ssh
$
```

If our system has only one key, we can
test it using ssh -T git@github.com

161

Host gets added into
known_hosts

162

Go to GitHub and Login

We create a new repository on github

GitHub Galaxy
June 18, 19 or 20
Join us virtually to explore our vision for AI-powered development, productivity, and modernization.
Register now

Home

Updates to your homepage feed

Send feedback Filter 8

New

Top Repositories

Find a repository...

harshadbprajapati/sb-student-api-validation
harshadbprajapati/spring-boot-testing
harshadbprajapati/myhospital
harshadbprajapati/jpademo
harshadbprajapati/prdemo

mihir19 labeled a pull request good first issue in NisarPipalva/TechTitans

163

We provide unique name.
This name could be different
from our local repository.

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?
Import a repository.

Required fields are marked with an asterisk (*).

Owner * harshadbprajapati Repository name * food-guests

food-guests is available.

Great repository names are short and memorable. Need inspiration? How about [jubilant-happiness](#) ?

Description (optional)

Recipes for preparing Jeera Rice and Dal Fry.

Public Anyone on the internet can see this repository. You choose who can commit.

Private You choose who can see and commit to this repository.

164

 **Public**
Anyone on the internet can see this repository. You choose who can commit.

 **Private**
You choose who can see and commit to this repository.

Initialize this repository with:

Add a README file
This is where you can write a long description for your project. [Learn more about READMEs](#).

Add .gitignore

.gitignore template: **None** 

Choose which files not to track from a list of templates. [Learn more about ignoring files](#).

Choose a license

License: **None** 

A license tells others what they can and can't do with your code. [Learn more about licenses](#).

ⓘ You are creating a public repository in your personal account.

Click to create a new repository 

Public means anyone can see it

Private means only the owner and all collaborators can access it.

165

food-guests  **Public**

 **Set up GitHub Copilot**
Use GitHub's AI pair programmer to autocomplete suggestions as you code.
[Get started with GitHub Copilot](#)

 Pin  Unwatch 1  Fork 0  Star 0

 **Add collaborators to this repository**
Search for people using their GitHub username or email address.
[Invite collaborators](#)

Quick setup — if you've done this kind of thing before

 Set up in Desktop **or**  HTTPS  SSH <https://github.com/harshadbprajapati/Food-guests.git> 

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

Repository gets created

166

The screenshot shows a GitHub repository setup page for 'harshadbprajapati/food-guests'. It includes sections for quick setup, command-line repository creation, and pushing an existing repository. Red annotations provide instructions: 'We see some instructions. But, do not execute those.' points to the command-line setup code, and 'We will not use https protocol. We will use git protocol.' points to the 'git remote add origin' command.

```

Quick setup — if you've done this kind of thing before
[ Set up in Desktop ] or [ HTTPS ] [ SSH ] https://github.com/harshadbprajapati/food-guests.git

Get started by creating a new file or uploading an existing file. We recommend every repository include a README, LICENSE, and .gitignore.
```

...or create a new repository on the command line

```

echo "# food-guests" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/harshadbprajapati/food-guests.git
git push -u origin main
```

We see some instructions.
But, do not execute those.

...or push an existing repository from the command line

```

git remote add origin https://github.com/harshadbprajapati/food-guests.git
git branch -M main
git push -u origin main
```

We will not use https protocol.
We will use git protocol.

ProTip! Use the URL for this page when adding GitHub as a remote.

167

Format For Git Protocol

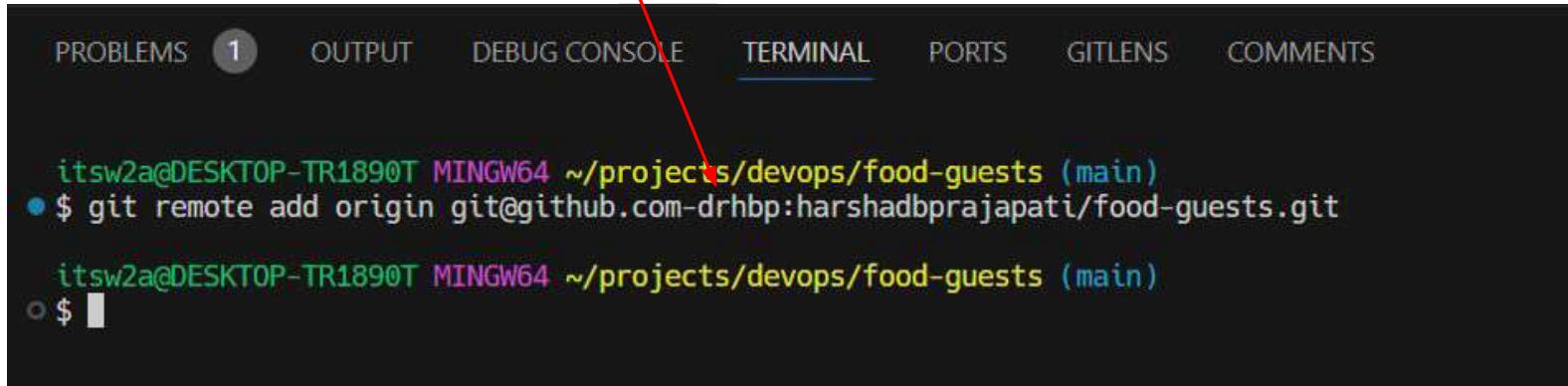
- Format of Git Protocol
 - `git@HOST:USERNAME/REPOSITORY.git`
- Instead of
 - `git remote add origin`
`https://github.com/harshadbprajapati/food-guests.git`
- We will write
 - `git remote add origin`
`git@github.com-drhbp:harshadbprajapati/food-guests.git`

Host alias



168

We can write here alias



A screenshot of the VS Code interface showing the Terminal tab selected. The terminal window displays the following command and its output:

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git remote add origin git@github.com-drhbp:harshadbprajapati/food-guests.git
```

The terminal shows the user has added a new remote repository named 'origin' pointing to the specified GitHub URL.

169

Check remote branches using
git remote -v



A screenshot of the VS Code interface showing the Terminal tab selected. The terminal window displays the following command and its output:

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git remote -v
origin  git@github.com-drhbp:harshadbprajapati/food-guests.git (fetch)
origin  git@github.com-drhbp:harshadbprajapati/food-guests.git (push)
```

The terminal shows the user running the 'git remote -v' command to check the configuration of the 'origin' remote, which is correctly set to the GitHub repository URL.

The origin (default) is a key to refer to
remote repository at the associated URL

170

Push main branch to origin (GitHub)

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git push origin -u main
Enter passphrase for key '/c/Users/itsw2a/.ssh/id_ed25519_drhbp':
Enumerating objects: 28, done.
Counting objects: 100% (28/28), done.
Delta compression using up to 16 threads
Compressing objects: 100% (17/17), done.
Writing objects: 100% (28/28), 6.37 KiB | 815.00 KiB/s, done.
Total 28 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), done.
To github.com-drhbp:harshadbprajapati/food-guests.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

If key is not there in ssh-agent, we need to enter passphrase

171

Quick setup — if you've done this kind of thing before

[Set up in Desktop](#) or [HTTPS](#) [SSH](#) <https://github.com/harshadbprajapati/food-guests.git>

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

Refresh the page (repository home page)

...or create a new repository on the command line

```
echo "# food-guests" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/harshadbprajapati/food-guests.git
git push -u origin main
```

...or push an existing repository from the command line

```
git remote add origin https://github.com/harshadbprajapati/food-guests.git
git branch -M main
git push -u origin main
```

172

We have only one branch on GitHub

main 1 Branch 0 Tags

harshadbprajapati fix(jeera-rice): corrected the step of garnishing
main/jeera-rice fix(jeera-rice): corrected the step of garnishing
test/jeera-rice test(jeera-rice): add test for Jeera Rice
Readme.md Initial commit

We can see code of pushed branch (main)

#This Project contains recipes for preparing Jeera Rice and Dal Fry.

Push all local branches to remote using
git push --all origin

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$ git push --all origin
Enter passphrase for key '/c/Users/itsw2a/.ssh/id_ed25519_drhbp':
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'feature/jeera-rice' on GitHub by visiting:
remote:     https://github.com/harshadbprajapati/food-guests/pull/new/feature/jeera-rice
remote:
To github.com:drhbp:harshadbprajapati/food-guests.git
 * [new branch]      feature/jeera-rice -> feature/jeera-rice
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/food-guests (main)
$
```

174

Refresh the page (repository home page)

The screenshot shows a GitHub repository page for 'food-guests'. At the top, there's a navigation bar with various links like Gmail Inbox, YouTube, Drive, Gemini, ChatGPT, Slow Roads, WhatsApp, and Git and GitHub for. Below the navigation bar, the repository name 'food-guests' is displayed with a 'Public' badge. A red arrow points from the text 'Refresh the page (repository home page)' to the repository name. The main content area shows a single branch named 'main' with 1 branch and 0 tags. There are 6 commits listed:

Commit	Message	Time Ago
harshadbprajapati	fix(jeera-rice): corrected the step of garnishing	7583cdc · 15 hours ago
main/jeera-rice	fix(jeera-rice): corrected the step of garnishing	15 hours ago
test/jeera-rice	test(jeera-rice): add test for Jeera Rice	15 hours ago
Readme.md	Initial commit	18 hours ago

Below the commits is a 'README' section with the text '#This Project contains recipes for preparing Jeera Rice and Dal Fry.' and a view count of 175.

We have now two branches on GitHub

The screenshot shows the same GitHub repository page for 'food-guests'. A red arrow points from the text 'We have now two branches on GitHub' to the 'Branches' dropdown menu, which now shows '2 Branches'. The main branch 'main' is still selected. The other branch 'test/jeera-rice' is visible in the dropdown menu. The rest of the interface is identical to the first screenshot, showing the commit history and README content.

This is current branch (main). We can see other branches.

#This Project contains recipes for preparing Jeera Rice and Dal Fry.

A screenshot of a GitHub repository page for 'food-guests'. The repository is public and has 2 branches and 0 tags. A modal window titled 'Switch branches/tags' is open, showing a search bar and a list of branches. The 'main' branch is selected as the default. Another branch, 'feature/jeera-rice', is listed and highlighted with a red arrow pointing to it. To the right of the modal, a list of commits is shown, including 'Initial commit', 'test(jeera-rice): add test for Jeera Rice', 'fix(jeera-rice): corrected the step of garnishing', and 'fix(jeera-rice): corrected the step of garnishing'. A red text annotation 'We can see other branches.' is overlaid on the right side of the modal.

Switch branches/tags

Find or create a branch...

Branches Tags

✓ main default

feature/jeera-rice

View all branches

We can see other branches.

Initial commit

test(jeera-rice): add test for Jeera Rice

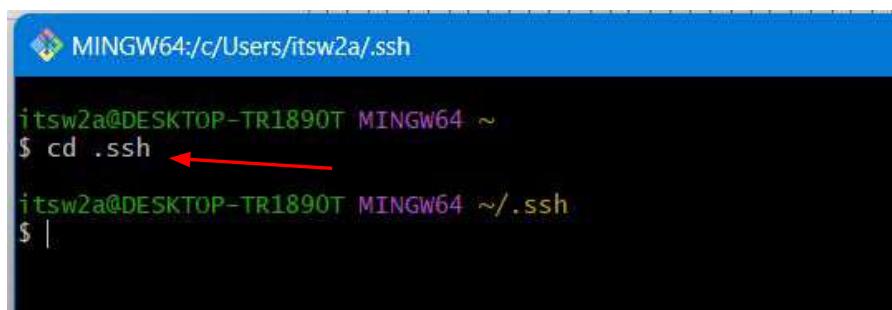
fix(jeera-rice): corrected the step of garnishing

fix(jeera-rice): corrected the step of garnishing

Configuration for Another User on the Same Machine

Go to the created .ssh directory

- Go to .ssh directory.



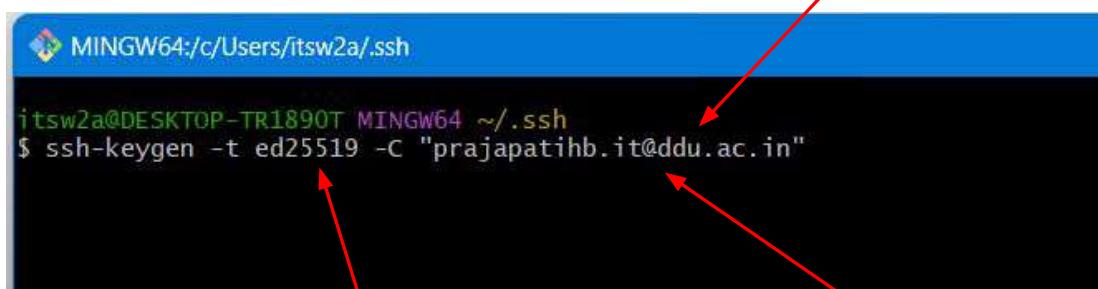
```
MINGW64:/c/Users/itsw2a/.ssh
$ cd .ssh
```

179

Create SSH Key Pair

- Create new key pair using ssh-keygen command:
 - ssh-keygen -t <key-algo> -C "<email>"

This is different from the previous email



```
MINGW64:/c/Users/itsw2a/.ssh
$ ssh-keygen -t ed25519 -C "prajapatihb.it@ddu.ac.in"
```

This is newer algo.
On old system, we can use rsa

Write here your another
email address

2. We provide unique file name.

```
MINGW64:/c/Users/itsw2a/.ssh
itsw2a@DESKTOP-TR1890T MINGW64 ~/ssh
$ ssh-keygen -t ed25519 -C "prajapatihb.it@ddu.ac.in"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/itsw2a/.ssh/id_ed25519): |
```

1. This is the default name.
We already have this file in use.

<https://docs.github.com/en/authentication/connecting-to-github-with-ssh/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent> 181

1. We provide unique file name
as id_ed25519_profhbp

```
MINGW64:/c/Users/itsw2a/.ssh
itsw2a@DESKTOP-TR1890T MINGW64 ~/ssh
$ ssh-keygen -t ed25519 -C "prajapatihb.it@ddu.ac.in"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/itsw2a/.ssh/id_ed25519): id_ed25519_profhbp
Enter passphrase (empty for no passphrase): ←
Enter same passphrase again: ←
Your identification has been saved in id_ed25519_profhbp
Your public key has been saved in id_ed25519_profhbp.pub
The key fingerprint is:
SHA256: [REDACTED] prajapatihb.it@ddu.ac.in
The key's randomart image is:
+--[ED25519 256]--+
|o. o...
|. ..= +.0.+
|oo = *+@ .
|+ 00X o
|o=+SB
|o..o=
|...E
|o.o
|.+
+---[SHA256]-----+
itsw2a@DESKTOP-TR1890T MINGW64 ~/ssh
```

2. We provide passphrase as
profhbp

3. Public/private keys get stored.

Newly created public key

```
MINGW64:/c/Users/itsw2a/.ssh
$ ls
config      id_ed25519.pub      id_ed25519_drhbp.pub      id_ed25519_profhbp.pub      known_hosts.old
id_ed25519  id_ed25519_drhbp  id_ed25519_profhbp
$
```

Newly created private key

183

Name	Date modified	Type	Size
config	02-06-2024 11:02	File	1 KB
id_ed25519	19-12-2023 17:08	File	1 KB
id_ed25519.pub	19-12-2023 17:08	PUB File	1 KB
id_ed25519_drhbp	02-06-2024 10:28	File	1 KB
id_ed25519_drhbp.pub	02-06-2024 10:28	PUB File	1 KB
id_ed25519_profhbp	02-06-2024 16:34	File	1 KB
id_ed25519_profhbp.pub	02-06-2024 16:34	PUB File	1 KB
known_hosts	02-06-2024 11:04	File	1 KB
known_hosts.old	02-06-2024 11:03	OLD File	1 KB

Newly created private key

Newly created public key

184

Start SSH Agent to Add our Key

- Start the **ssh-agent** in the **background** (using eval “\$(ssh-agent -s)”

Start agent

```
MINGW64:/c/Users/itsw2a/.ssh
itsw2a@DESKTOP-TR1890T MINGW64 ~/.ssh
$ eval "$(ssh-agent -s)"
Agent pid 2127

itsw2a@DESKTOP-TR1890T MINGW64 ~/.ssh
$ |
```

185

Add your SSH private key to the ssh-agent

- We **add** our **SSH private key** to the **ssh-agent**.
(using \$ ssh-add ~/.ssh/id_ed25519_profhbp)

```
MINGW64:/c/Users/itsw2a/.ssh
itsw2a@DESKTOP-TR1890T MINGW64 ~/.ssh
$ ls
config      id_ed25519.pub      id_ed25519_drhbp.pub  id_ed25519_profhbp.pub  known_hosts.old
id_ed25519  id_ed25519_drhbp  id_ed25519_profhbp    known_hosts

itsw2a@DESKTOP-TR1890T MINGW64 ~/.ssh
$ ssh-add ~/.ssh/id_ed25519_profhbp
Enter passphrase for /c/Users/itsw2a/.ssh/id_ed25519_profhbp: Enter
Identity added: /c/Users/itsw2a/.ssh/id_ed25519_profhbp (prajapatihb.it@ddu.ac.in)

itsw2a@DESKTOP-TR1890T MINGW64 ~/.ssh
$
```

186

Add your SSH Public key to GitHub Account

- Copy the content of public file into clipboard. If **clip** command does not work, we can open the file in text editor and can do select all and **copy**.

The screenshot shows a terminal window titled "MINGW64:c/Users/itsw2a/.ssh". It displays the following command sequence:

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/ssh
$ ls
config      id_ed25519.pub      id_ed25519_drhbp.pub  id_ed25519_profhbp.pub  known_hosts.old
id_ed25519  id_ed25519_drhbp  id_ed25519_profhbp  known_hosts

itsw2a@DESKTOP-TR1890T MINGW64 ~/ssh
$ clip < id_ed25519_profhbp.pub
```

A red arrow points to the command `clip < id_ed25519_profhbp.pub`, indicating where the user should click to copy the file content.

187

Go to GitHub.com and Login

- Go to github.com.
- Login with another user.
- Click Profile Icon.

188

This is another GitHub account



The screenshot shows the GitHub dashboard with several open notifications:

- Create your first project:** Ready to start building? Create a repository for a new idea or bring over an existing repository to keep contributing to it.
- Recent activity:** When you take actions across GitHub, we'll provide links to that activity here.
- Join GitHub Education!** GitHub Education opens doors to new skills, tools, and a collaborative community eager to drive innovation. Join us and build a foundation for your future in technology.
- GitHub Galaxy:** June 18, 19 or 20. Join us virtually to explore our vision for AI-powered development, productivity, and modernization.
- Updates to your homepage feed:** We've combined the power of the Following feed with the For you feed so there's one place to discover content on GitHub. There's improved filtering so you can customize your feed exactly how you like it, and a shiny new visual.
- Latest changes:** A list of recent updates:
 - 2 days ago: GitHub Copilot Enterprise – Copilot knows about repositories, releases, commits + more...
 - 3 days ago: Secret scanning validity checks now included in the alert timeline
 - 4 days ago: Sunset Notice – Tag Protections

This is another GitHub account

The screenshot shows the GitHub user profile dropdown menu for the user "prajapatihb". The menu includes:

- Set status
- Your profile
- Add account
- Your repositories
- Your projects
- Your Copilot
- Your organizations
- Your enterprises
- Your stars
- Your sponsors
- Your gists
- Upgrade
- Try Enterprise
- Feature preview
- Settings
- Github Support
- GitHub Community

Click Settings.



S Settings

prajapatihb (prajapatihb)
Your personal account

Go to your personal profile

Public profile

Name

Your name may appear around GitHub where you contribute or are mentioned. You can remove it at any time.

Profile picture

SSH and GPG keys

Access

Billing and plans

Emails

Password and authentication

Sessions

SSH and GPG keys

Organizations

Enterprises

Moderation

Code, planning, and automation

https://github.com/settings/keys

191

Click keys section

S Settings

prajapatihb (prajapatihb)
Your personal account

Go to your personal profile

We will add a new public key using this

SSH keys

New SSH key

There are no SSH keys associated with your account.

Check out our guide to [connecting to GitHub using SSH keys](#) or troubleshoot [common SSH problems](#).

GPG keys

New GPG key

There are no GPG keys associated with your account.

Learn how to [generate a GPG key and add it to your account](#).

Vigilant mode

Flag unsigned commits as unverified

This will include any commit attributed to your account but not signed with your GPG or S/MIME key.
Note that this will include your existing unsigned commits.
[Learn about vigilant mode](#).

SSH and GPG keys

Access

Billing and plans

Emails

Password and authentication

Sessions

SSH and GPG keys

Organizations

Enterprises

Moderation

Code, planning, and automation

The screenshot shows the GitHub settings interface for managing SSH and GPG keys. On the left, a sidebar lists various account settings like Public profile, Account, Appearance, Accessibility, Notifications, Access, Billing and plans, Emails, Password and authentication, Sessions, SSH and GPG keys (which is selected and highlighted in blue), Organizations, Enterprises, and Moderation. Below this is a section for Code, planning, and automation.

The main content area is titled "Add new SSH Key". It has fields for "Title" (containing "DevOpsDemo") and "Key type" (set to "Authentication Key"). A large text area labeled "Key" contains placeholder text: "Begins with 'ssh-rsa', 'ecdsa-sha2-nistp256', 'ecdsa-sha2-nistp384', 'ecdsa-sha2-nistp521', 'ssh-ed25519', 'sk-ecdsa-sha2-nistp256@openssh.com', or 'sk-ssh-ed25519@openssh.com'". At the bottom is a green "Add SSH key" button.

Two red annotations are present: one pointing to the "Title" field with the text "1. Write some unique and meaningful name", and another pointing to the "Key" text area with the text "2. Paste here clipboard content".

193

This screenshot is identical to the one above, showing the "Add new SSH Key" form. The "Key" text area now contains a public SSH key: "ssh-ed25519 [REDACTED] E prajapatihb.it@ddu.ac.in". A red box highlights this area, and a red arrow points from it to the text "Click it to add this public key into GitHub".

194

You have successfully added the key 'DevOpsDemo'.

prajapatihb (prajapatihb) Your personal account

SSH keys

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

Authentication keys

Key	Type	Added on	Usage
DevOpsDemo	SSH	Jun 2, 2024	Never used — Read/write

Newly added key

Check out our guide to [connecting to GitHub using SSH keys](#) or troubleshoot [common SSH problems](#).

Public profile Account Appearance Accessibility Notifications Access Billing and plans Emails Password and authentication

Go to your personal profile New SSH key Delete

195

[GitHub] A new SSH authentication public key was added to your account

External

Inbox

GitHub <noreply@github.com> to me 4:56 PM (0 minutes ago)

Check email address

We receive an email from github

The following SSH key was added to your account:

DevOpsDemo
SHA256:sXIMd5Z5qNBq4V0jxwgrQ8yWAqj+3XIaZF8sbYzFqa0

If you believe this key was added in error, you can remove the key and disable access at the following location:

<https://github.com/settings/keys>

Reply Forward

196

Recipient's email address

```
from: GitHub <noreply@github.com>
to: prajapatihb <prajapatihb.it@ddu.ac.in>
date: Jun 2, 2024, 4:56 PM
subject: [GitHub] A new SSH authentication public key was added to your
account
mailed-by: github.com
signed-by: github.com
security: 🔒 Standard encryption (TLS) Learn more
👉: Important according to Google magic.
```

197

Append Configuration to ~/.ssh/config

```
config x
C: > Users > itsw2a > ssh > config > # github account with business
1  # github account with personal email address
2  Host github.com-drhbp
3  HostName github.com
4  User git
5  IdentityFile ~/.ssh/id_ed25519_drhbp
6
7  # github account with business email address
8  Host github.com-profhbp
9  HostName github.com
10 User git
11 IdentityFile ~/.ssh/id_ed25519_profhbp
```

Newly added configuration

198

We test connection.
Host is alias

This time, it did not ask
as agent was running

```
MINGW64:/c/Users/itsw2a/.ssh
itsw2a@DESKTOP-TR1890T MINGW64 ~/ssh
$ ssh -T git@github.com-profhbp
Hi prajapatihb! You've successfully authenticated, but GitHub does not provide shell access.

itsw2a@DESKTOP-TR1890T MINGW64 ~/ssh
$
```

Verify entry in agent

```
MINGW64:/c/Users/itsw2a/.ssh
itsw2a@DESKTOP-TR1890T MINGW64 ~/ssh
$ ssh-add -L
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIMX/owDdyKQIUMPaVD6VCBozC/rbIa2wwpu5a6XPwiTE prajapatihb.it@ddu.ac.in

itsw2a@DESKTOP-TR1890T MINGW64 ~/ssh
$
```

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

Click settings

The screenshot shows a GitHub repository page for 'food-guests' owned by 'harshadbprajapati'. The page includes a header with navigation links like Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. A red arrow points to the 'Settings' link. To the right, there's an 'About' section with a description: 'Recipes for preparing Jeera Rice and Dal Fry.', followed by links for Readme, Activity, 0 stars, 1 watching, and 0 forks. Below the main content area, there's a 'README' section with the text '#This Project contains recipes for preparing Jeera Rice and Dal Fry.'

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of the GitHub repository settings page for 'food-guests'. The 'Settings' tab is active. On the left, a sidebar lists various repository management options. A red arrow points to the 'Collaborators' option in the sidebar. The main content area shows the 'General' settings, including the repository name 'food-guests', template repository options, and default branch settings. Below this is a 'Social preview' section.

201

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of the GitHub repository settings page for 'food-guests'. The 'Settings' tab is active. On the left, a sidebar lists various repository management options. A red arrow points to the 'Collaborators' option in the sidebar. The main content area shows the 'Who has access' section, indicating it's a public repository with no direct collaborators. It also shows the 'Manage access' section, which displays a message: 'You haven't invited any collaborators yet' and features a green 'Add people' button. A red arrow points to this button.

202

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

The screenshot shows the GitHub repository settings for 'food-guests'. The left sidebar has 'Access' selected, with 'Collaborators' highlighted. A red arrow points from the text 'Type username or email of the collaborator' to the search input field where 'prajapatihb.it@ddu.ac.in' is typed. Another red arrow points from the text 'Select a collaborator above' to the 'Invite to food-guests' button.

Type username or email of the collaborator

Select a collaborator above

Search by username, full name, or email

prajapatihb.it@ddu.ac.in

Invite to food-guests

General

Access

- Collaborators
- Moderation options

Code and automation

- Branches
- Tags
- Rules
- Actions
- Webhooks
- Environments
- Codespaces
- Pages

Security

- Code security and analysis

203

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

The screenshot shows the GitHub repository settings for 'food-guests'. The left sidebar has 'Access' selected, with 'Collaborators' highlighted. A red arrow points from the text 'User is known to GitHub' to the email input field containing 'prajapatihb.it@ddu.ac.in'. Another red arrow points from the text 'Click to send invitation' to the 'Add prajapatihb.it@ddu.ac.in to this repository' button.

User is known to GitHub

Add prajapatihb.it@ddu.ac.in to this repository

Manage access

Click to send invitation

prajapatihb.it@ddu.ac.in

Add people

General

Access

- Collaborators
- Moderation options

Code and automation

- Branches
- Tags
- Rules
- Actions
- Webhooks
- Environments
- Codespaces
- Pages

Security

- Code security and analysis

204

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

The screenshot shows the GitHub Settings page for the repository 'food-guests'. The 'Access' section is selected, specifically the 'Collaborators' tab. It displays that the repository is a 'PUBLIC REPOSITORY' and has 'DIRECT ACCESS' with 1 collaborator invited. A red arrow points from the text 'Invite is pending' to the status of the collaborator 'prajapatihb'. The 'Manage' button is also visible.

On Gmail.com, user: prajapatihb.it (Collaborator of the repository)

Login to Gmail using incognito mode

The screenshot shows an email from 'Harshad Prajapati <no-reply@gmail.com>' in the Gmail inbox. The subject is 'harshadbprajapati invited you to harshadbprajapati/food-guests'. The email body contains the GitHub logo and text: '@harshadbprajapati has invited you to collaborate on the harshadbprajapati/food-guests repository'. A red box highlights this text, and another red arrow points from the text 'Copy link and fire from the browser in which GitHub user associated with this email is logged in' to the GitHub logo in the email body. A third red arrow points from the text 'Login to Gmail using incognito mode' to the 'Compose' button in the Gmail sidebar.

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

This second user is logged in using incognito mode

You have successfully added the key 'DevOpsDemo'.

prajapatihb (prajapatihb)
Your personal account

SSH keys

New SSH key

Public profile Account Appearance Accessibility Notifications Access Billing and plans Emails Password and authentication

Authentication keys

DevOpsDemo
SHA256: sXIMd5Z5qNBq4V0jxwgrQ8yWaqj+3XIaZF8sbYzFqa0
Added on Jun 2, 2024
Never used — Read/write

Delete

Check out our guide to [connecting to GitHub using SSH keys](#) or troubleshoot [common SSH problems](#).

We open another tab from this Chrome Window

207

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

1. Paste link that was copied from email received by this collaborator.

Owner of the repository

2. Click to accept the invitation

Accept invitation Decline

Owners of food-guests will be able to see:

- Your public profile information
- Certain activity within this repository
- Country of request origin
- Your access level for this repository
- Your IP address

Is this user sending spam or malicious content?
Block harshadbprajapati

208

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

A screenshot of a GitHub repository page for 'food-guests'. The URL is github.com/harshadbprajapati/food-guests. The repository is public. At the top, there's a message: 'You now have push access to the harshadbprajapati/food-guests repository.' A red arrow points from this message to the text 'Now, this collaborator has push access' at the top right of the image. The repository page shows a list of commits by 'harshadbprajapati' and a 'README' file. On the right side, there's an 'About' section with repository details like 'Recipes for preparing Jeera Rice and Dal Fry.', 'Readme', 'Activity', '0 stars', '1 watching', '0 forks', and a 'Report repository' link. Below that is a 'Releases' section with 'No releases published' and a 'Create a new release' button.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub repository settings page for 'food-guests'. The URL is github.com/harshadbprajapati/food-guests/settings/access?guidance_task=1. The left sidebar shows options like General, Access (selected), Moderation options, Code and automation, Branches, Tags, Rules, Actions, Webhooks, Environments, Codespaces, and Pages. In the main area, under 'Who has access', it says 'PUBLIC REPOSITORY' and 'DIRECT ACCESS' (1 has access). Under 'Manage access', there's a table with one row for 'prajapatihb'. The row shows a yellow profile picture, the name 'prajapatihb', and the status 'Awaiting prajapatihb's response'. A red arrow points from the text '2. Refresh the page.' in the image to the 'Manage access' table. Another red arrow points from the text '1. After page refresh, this will change' to the same table, indicating that the pending status will likely change to accepted or declined after refreshing the page.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

The screenshot shows the GitHub repository settings for 'food-guests'. In the 'Access' section, 'Collaborators' is selected. A callout box highlights the 'DIRECT ACCESS' section, stating '1 has access to this repository. 1 collaborator.' A red arrow points from this text to the 'Manage access' section below. The 'Manage access' section shows a list with one item: 'prajapatihb Collaborator'. A green 'Add people' button is visible at the top right of this section.

Now the invited collaborator is a collaborator for this repository

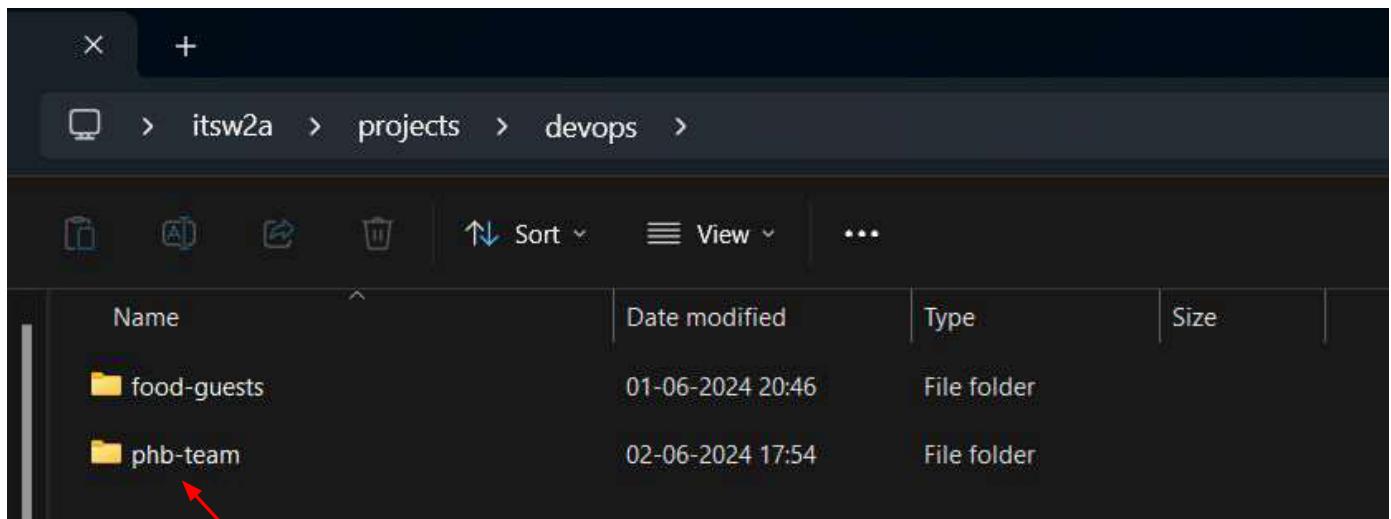
The screenshot shows a file explorer interface with a breadcrumb navigation bar: 'itsw2a > projects > devops >'. A red arrow points from the 'devops' folder in the navigation bar to a table below. The table lists a single file folder named 'food-guests'. The table has columns: Name, Date modified, Type, and Size. The 'Name' column shows 'food-guests', 'Date modified' shows '01-06-2024 20:46', 'Type' shows 'File folder', and 'Size' is not explicitly shown.

Name	Date modified	Type	Size
food-guests	01-06-2024 20:46	File folder	

Current project folder created by the owner is under devops

211

212



We create another folder under which the collaborator (prajapatihb) will work. We do this because both owner and collaborator are using the same machine.

213

We find the collaborator

We check identity in the agent

```
MINGW64:/c/Users/itsw2a/projects/devops/phb-team
itsw2a@DESKTOP-TR1890T MINGW64 ~/ssh
$ ssh-add -L
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIMX/owDdyKQIUMPaVD6VCBozC/rbIa2wwpu5a6XPWiTE prajapatihb.it@ddu.ac.in

itsw2a@DESKTOP-TR1890T MINGW64 ~
$ cd ~

itsw2a@DESKTOP-TR1890T MINGW64 ~
$ cd projects/devops/phb-team/
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team
$
```

We go to the root folder of the collaborator

214

URL for Cloning Git Repository

- We have this situation:
 - The repository owner is one user.
 - The collaborator is another user.
 - Both owner and collaborator are using the same machine.
- URL for git clone
 - `git clone git@github.com-profhbp:harshadbprajapati/food-guests.git`

Host alias for the collaborator
(on the same machine)

Repository name

Owner of the repository

215

Clone the repository

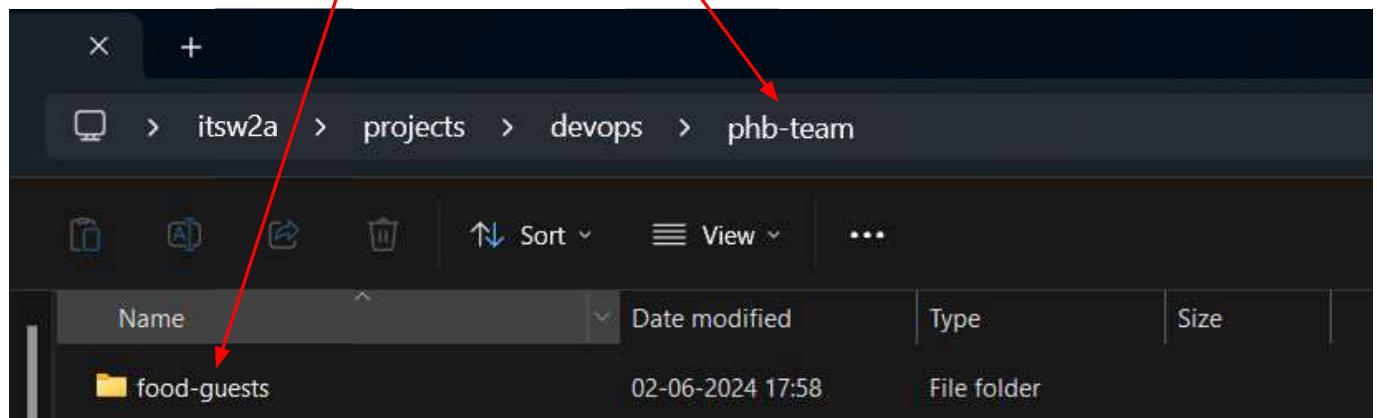
Root folder of the collaborator

```
MINGW64:/c/Users/itsw2a/projects/devops/phb-team
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team
$ git clone git@github.com-profhbp:harshadbprajapati/food-guests.git
Cloning into 'food-guests'...
remote: Enumerating objects: 28, done.
remote: Counting objects: 100% (28/28), done.
remote: Compressing objects: 100% (13/13), done.
remote: Total 28 (delta 4), reused 28 (delta 4), pack-reused 0
Receiving objects: 100% (28/28), 6.37 KiB | 2.12 MiB/s, done.
Resolving deltas: 100% (4/4), done.

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team
$ |
```

216

Root folder of the collaborator now contains the project folder



217

There are Two Project Folders

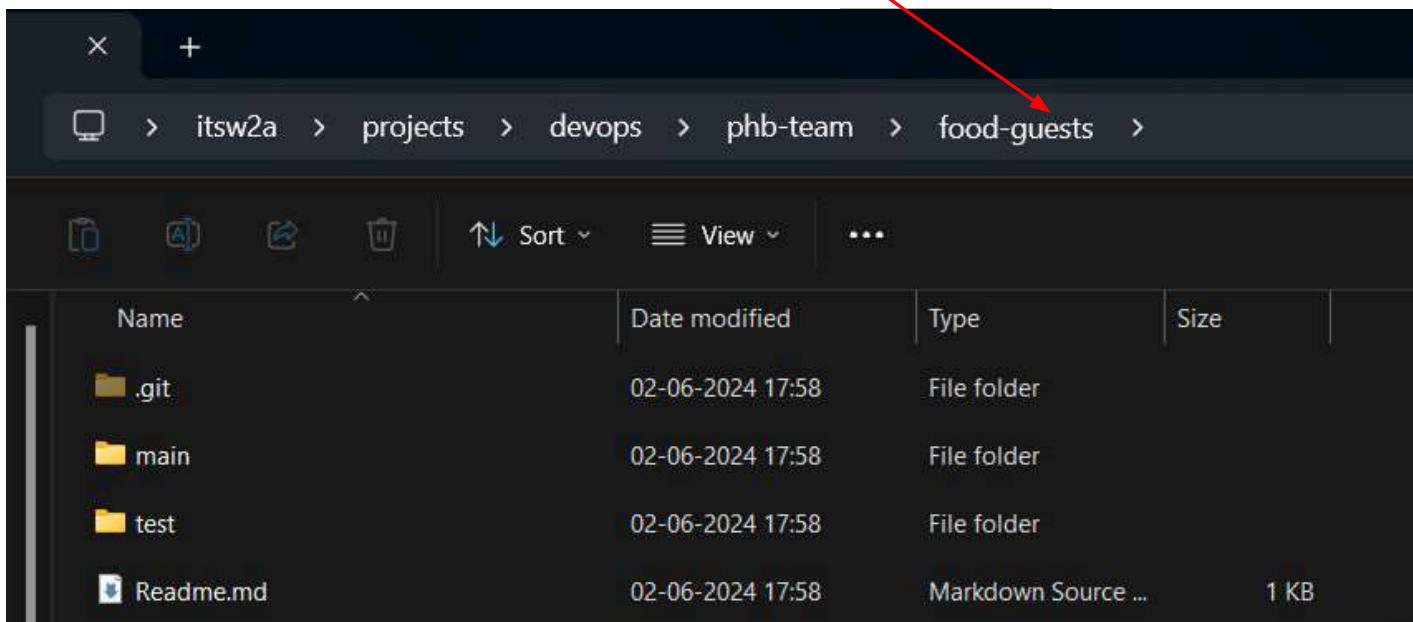
Root folder of the collaborator

Root folder of the owner

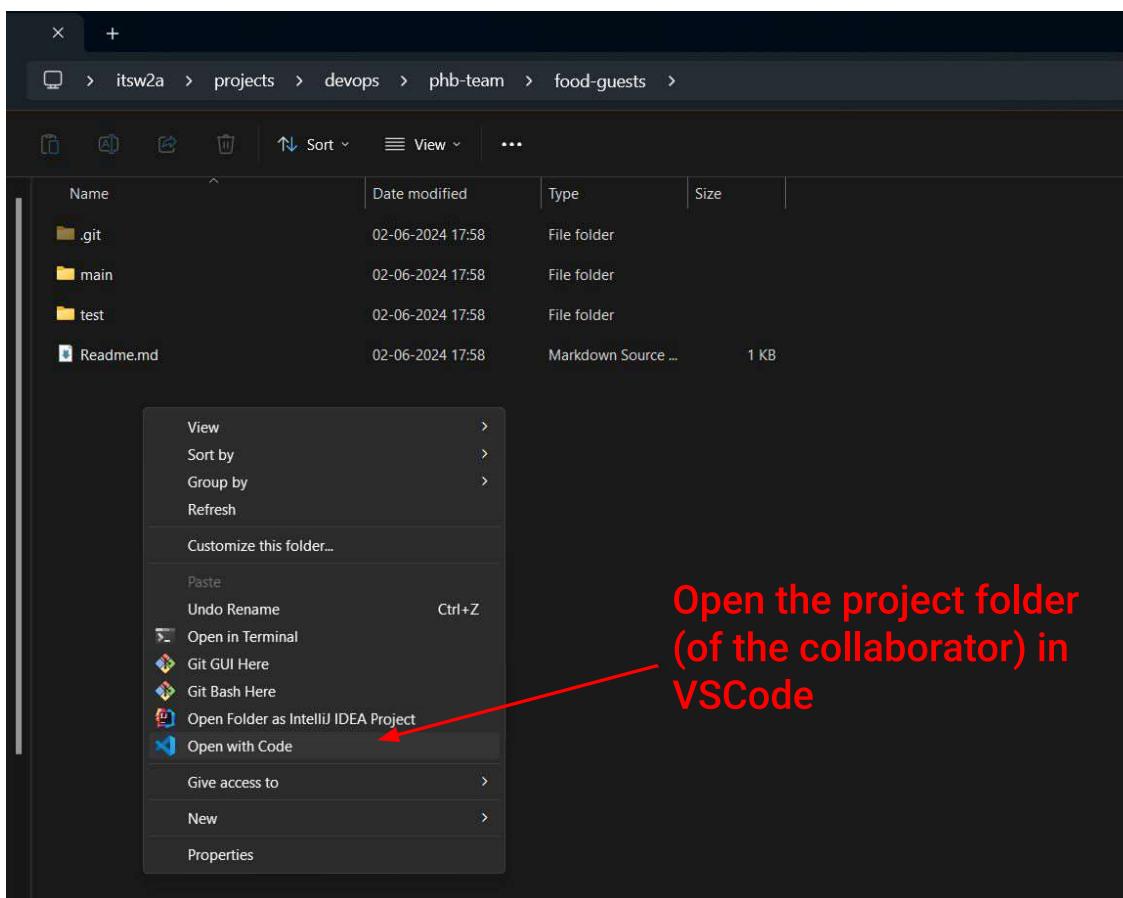
A screenshot of a file explorer window. The address bar shows the path: itsw2a > projects > devops > phb-team. The main area displays two folders: "food-guests" and "phb-team". The "food-guests" folder has the details: Date modified: 01-06-2024 17:58. The "phb-team" folder has the details: Date modified: 02-06-2024 17:58. Red arrows point from the text "Root folder of the collaborator" to the address bar, from the text "Project folder of the collaborator" to the "food-guests" folder, and from the text "Project folder of the owner" to the "phb-team" folder.

218

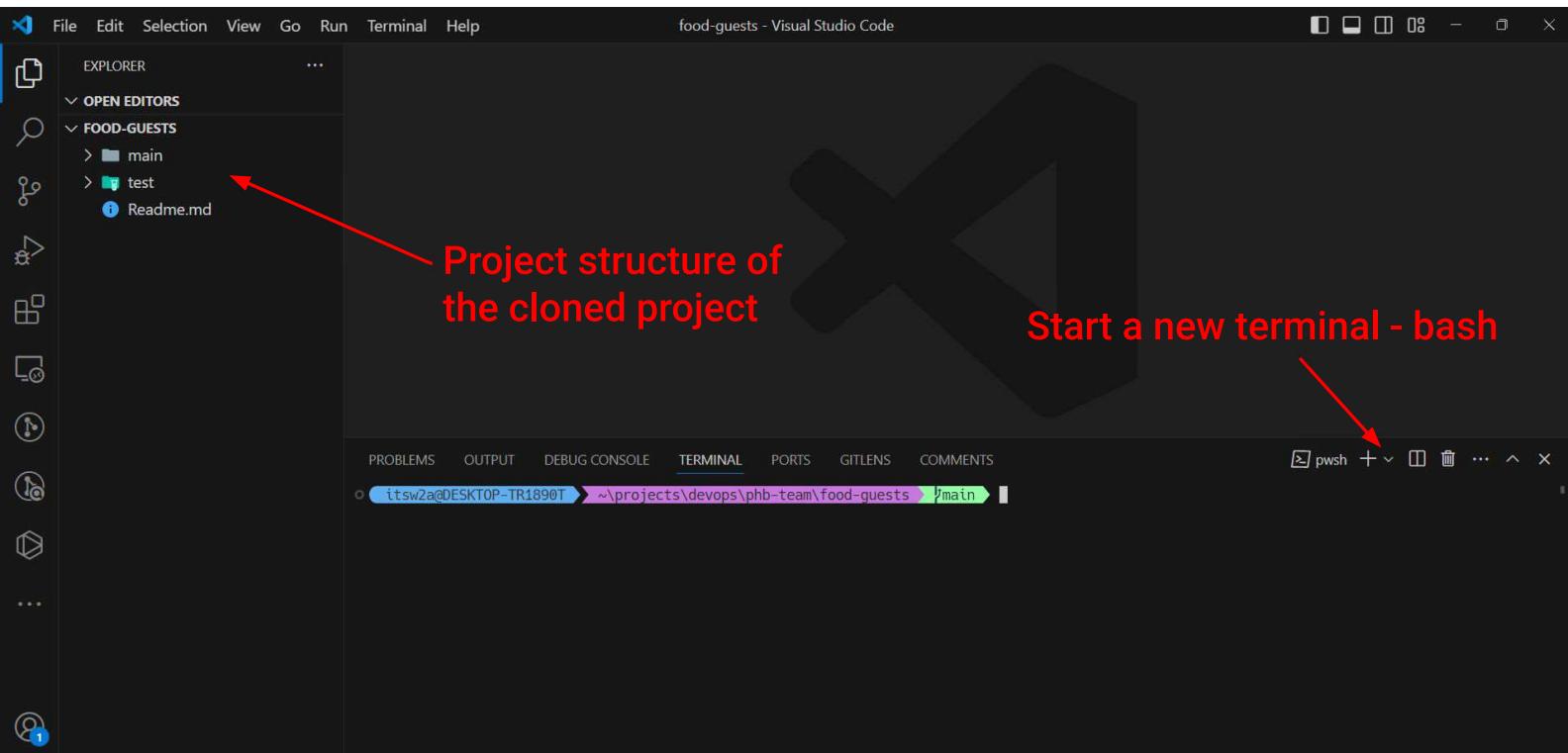
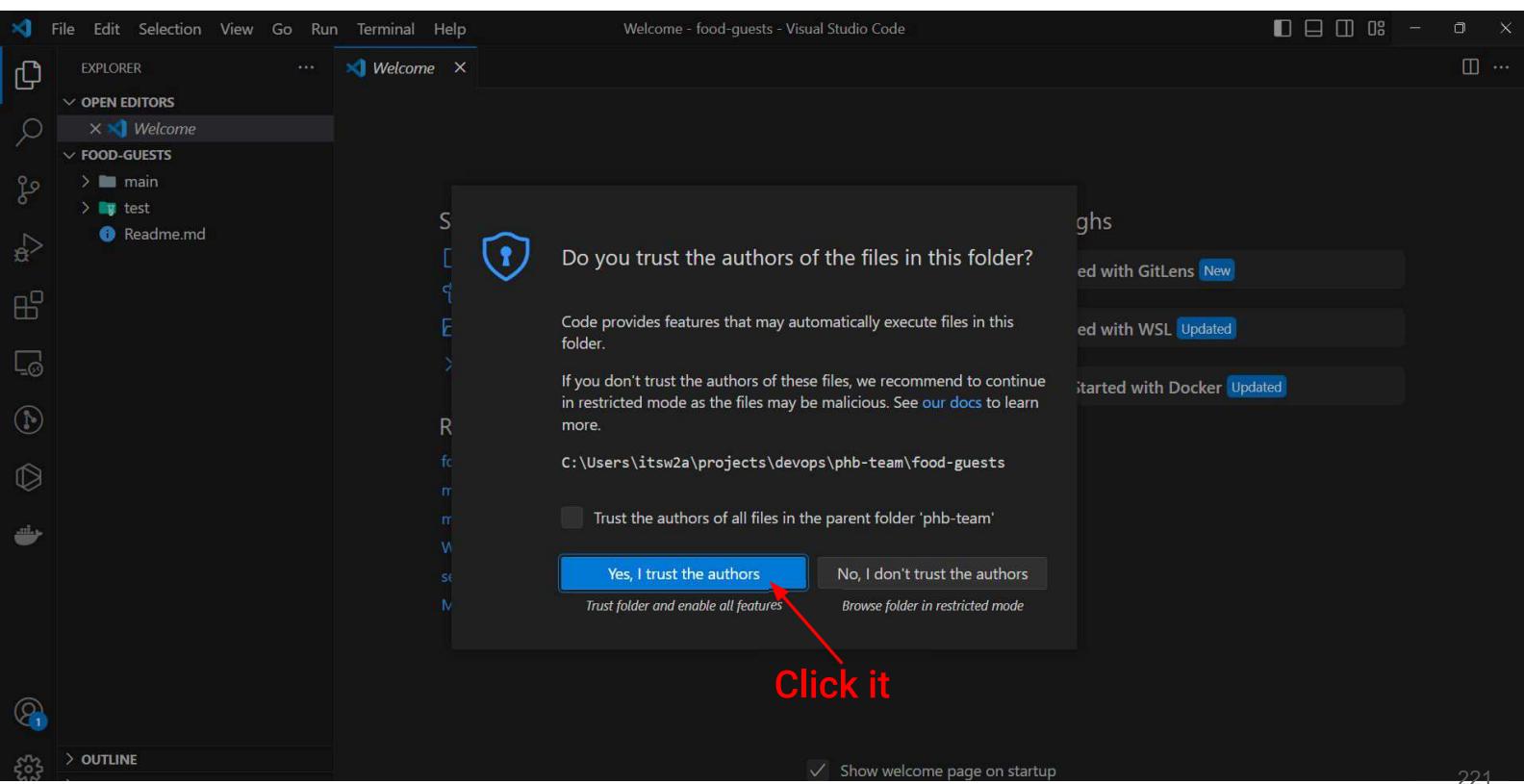
Check the content of the project folder of the collaborator

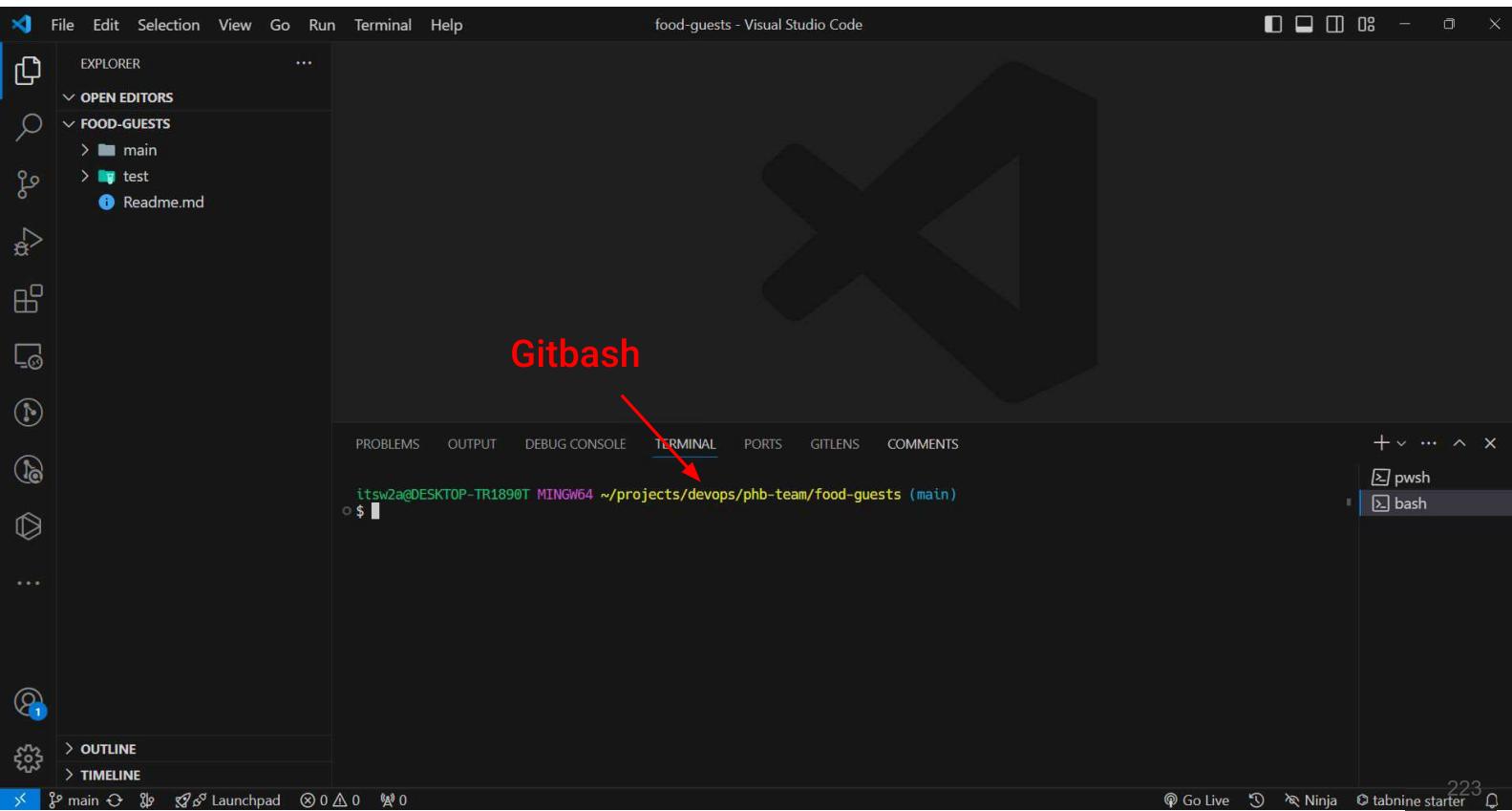


219



220



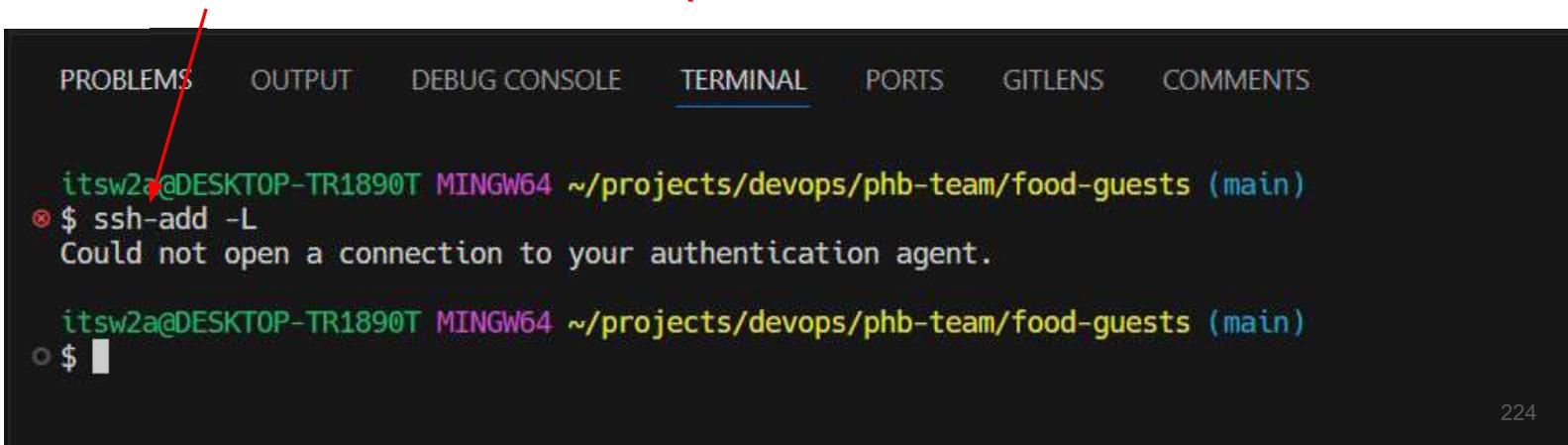


A screenshot of a separate terminal window titled "MINGW64:/c/Users/itsw2a/.ssh". The window shows an OS-level command-line session:

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/.ssh
$ ssh-add -L
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIMX/owDdyKQIUMPaVD6VCBozC/rbIa2wwpu5a6XPWiTE prajapatihb.it@ddu.ac.in
```

The status bar at the bottom right shows "223".

This VSCode terminal instance is separate from OS level



PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
$ eval "$(ssh-agent -s)" ← 1. Run agent in background
```

3. Provide
passphrase of
the collaborator

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
$ ssh -T git@github.com-profhbp
Enter passphrase for key '/c/Users/itsw2a/.ssh/id_ed25519_profhbp': ← 2. Collaborator authenticate with github
Hi prajapatihb! You've successfully authenticated, but GitHub does not provide shell access.
```

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
$
```

2. Collaborator authenticate with github

225

Add identity (private key) of
the collaborator in agent

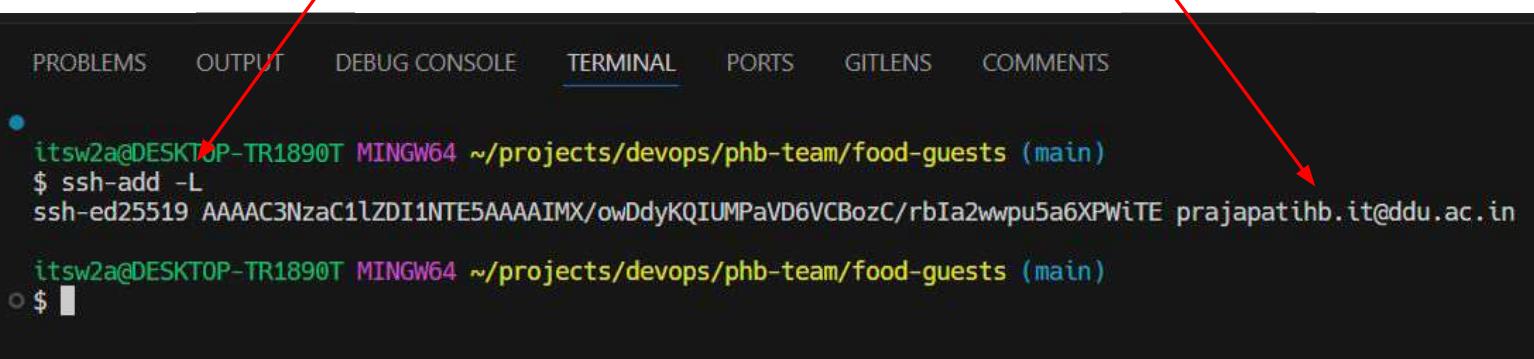
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
$ ssh-add ~/.ssh/id_ed25519_profhbp
Enter passphrase for /c/Users/itsw2a/.ssh/id_ed25519_profhbp:
Identity added: /c/Users/itsw2a/.ssh/id_ed25519_profhbp (prajapatihb.it@ddu.ac.in)
```

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
$
```

226

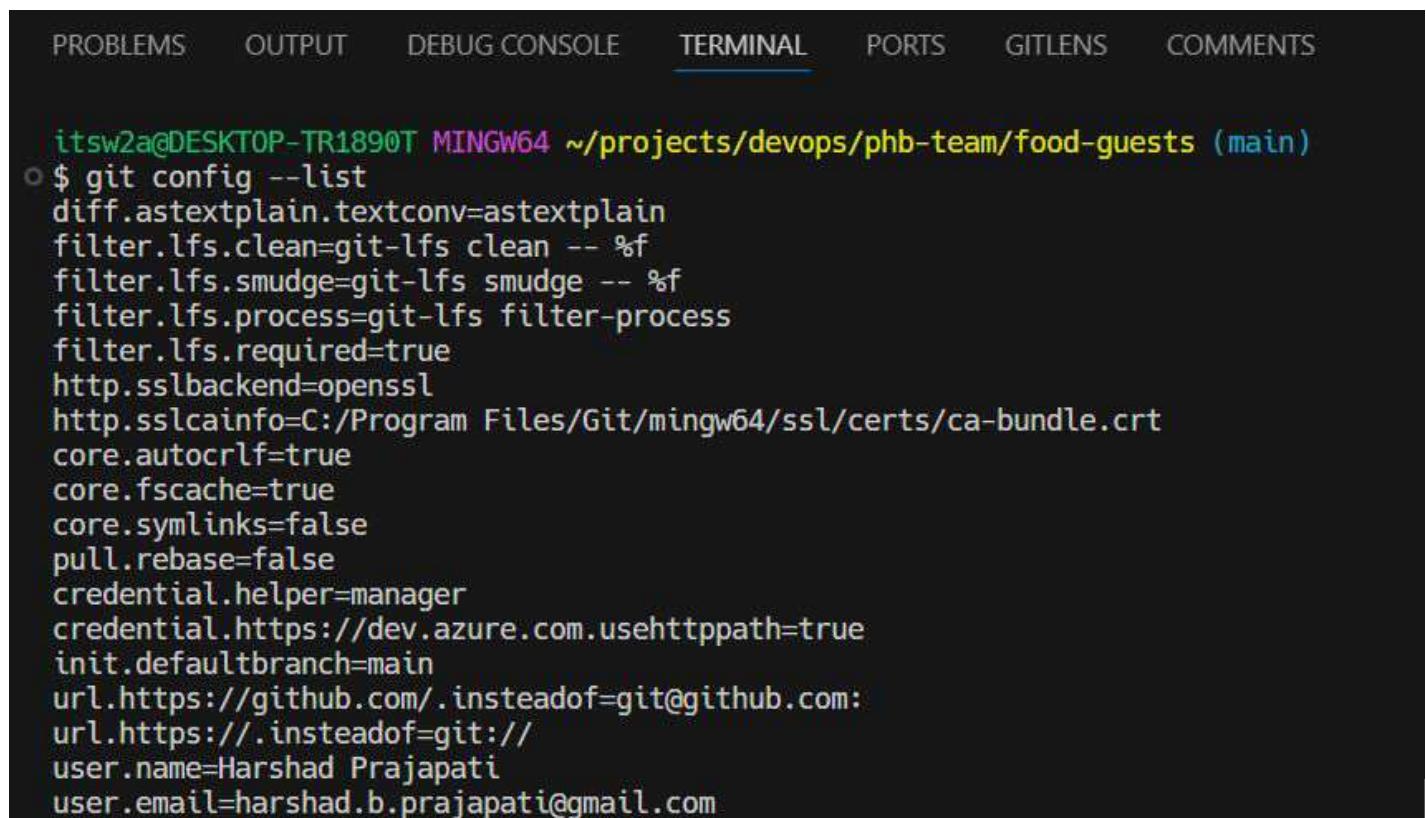
Verify whether the agent has cached the identity of the collaborator.



PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

- itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
\$ ssh-add -L
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIMX/owDdyKQIUMPaVD6VCBozC/rbIa2wwpu5a6XPWiTE prajapatihb.it@ddu.ac.in
- itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
\$ [REDACTED]

227



PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

- itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
\$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=main
url.https://github.com/.insteadof=git@github.com:
url.https:///.insteadof=git://
user.name=Harshad Prajapati
user.email=harshad.b.prajapati@gmail.com

228

Set user.name for this repository

Set user.email for this repository

A screenshot of the VS Code interface showing the Terminal tab selected. The terminal window displays the following command-line session:

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
$ git config user.name "Prajapati H B"
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
$ git config user.email "prajapatihb.it@ddu.ac.in"
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
$
```

Two red arrows point from the text "Set user.name for this repository" and "Set user.email for this repository" to the respective lines in the terminal output.

229

Verify user.name for this repository

Verify user.email for this repository

A screenshot of the VS Code interface showing the Terminal tab selected. The terminal window displays the following command-line session:

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
$ git config --get user.name
Prajapati H B
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
$ git config --get user.email
prajapatihb.it@ddu.ac.in
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
$
```

Two red arrows point from the text "Verify user.name for this repository" and "Verify user.email for this repository" to the respective lines in the terminal output.

230

Create a new branch for new feature

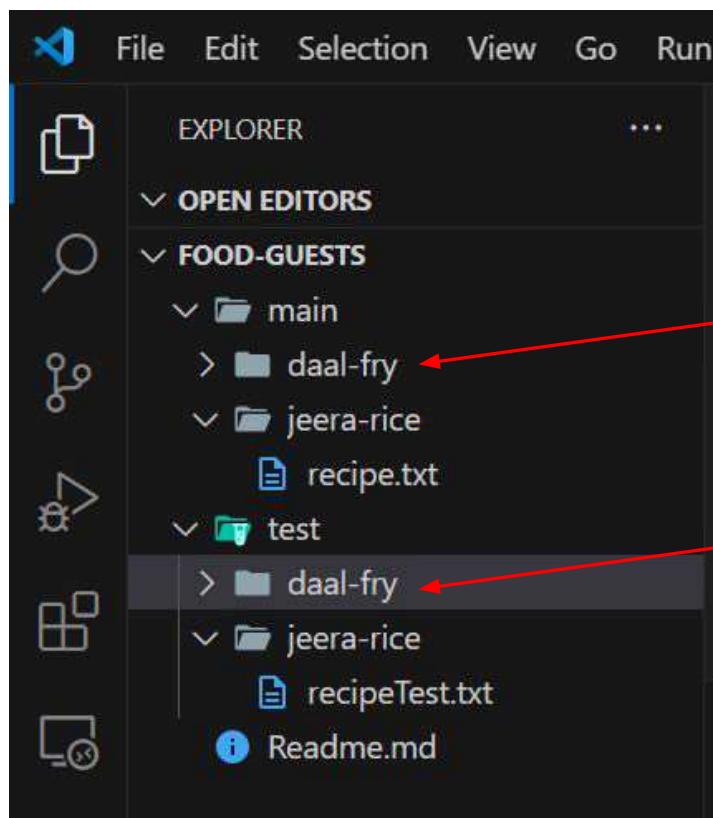
We should be on main branch
(The main branch has all changes)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
$ git checkout -b feature/daal-fry
Switched to a new branch 'feature/daal-fry'

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$
```

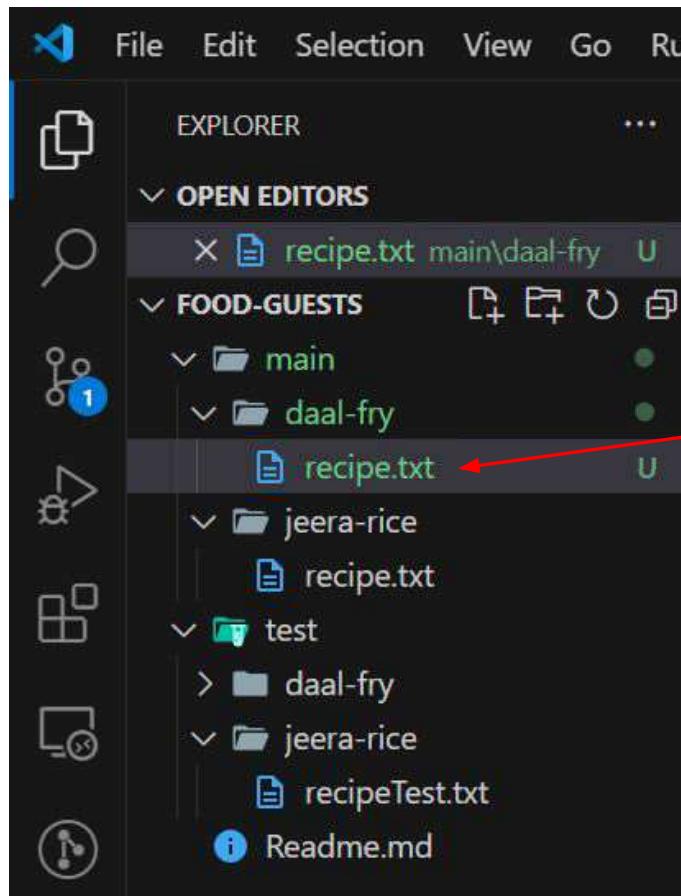
231



Create a new directory for new feature under main.

Create a new directory for new feature under test.

232



233

```
recipe.txt U X
main > daal-fry > recipe.txt
1. Wash and soak lentils.
2. Pressure cook lentils with turmeric and salt.
3. In a pan, heat oil and add cumin seeds, garlic, and ginger.
4. Sauté onions until golden brown.
5. Add tomatoes and spices, and cook until oil separates.
6. Add cooked lentils and water, and simmer until desired consistency.
```

Content of new feature.

234

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git status
On branch feature/daal-fry
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    main/daal-fry/
```

Check status using
git status

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

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git add main/daal-fry/
```

Add changes into staging area

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git status
On branch feature/daal-fry
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   main/daal-fry/recipe.txt
```

Check status using git status

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry) 235
$
```

Commit changes

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git commit -m "feat(daal-fry): add recipe for Daal Fry"
[feature/daal-fry 4a46438] feat(daal-fry): add recipe for Daal Fry
 1 file changed, 6 insertions(+)
 create mode 100644 main/daal-fry/recipe.txt
```

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

Check log

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git log --oneline
4a46438 (HEAD -> feature/daal-fry) feat(daal-fry): add recipe for Daal Fry
7583cdc (origin/main, origin/HEAD, main) fix(jeera-rice): corrected the step of garnishing
6b3aa77 (origin/feature/jeera-rice) fix(jeera-rice): add step of garnishing
ad53c61 fix(jeera-rice): add step of garnishing
146f40f test(jeera-rice): add test for Jeera Rice
8b502d8 feat(jeera-rice): add steps of preparing Jeera Rice
fda21f5 Initial commit

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$
```

237

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

Check log

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git log -3
commit 4a4643891f946ac4ce62599fe002c47f4830ec67 (HEAD -> feature/daal-fry)
Author: Prajapati H B <prajapatihb.it@ddu.ac.in>
Date:   Sun Jun 2 18:15:39 2024 +0530
feat(daal-fry): add recipe for Daal Fry

commit 7583cdcb744d3de721555d21ffe61b5fc9fa867 (origin/main, origin/HEAD, main)
Merge: ad53c61 6b3aa77
Author: Harshad Prajapati <harshad.b.prajapati@gmail.com>
Date:   Sat Jun 1 21:02:26 2024 +0530
fix(jeera-rice): corrected the step of garnishing

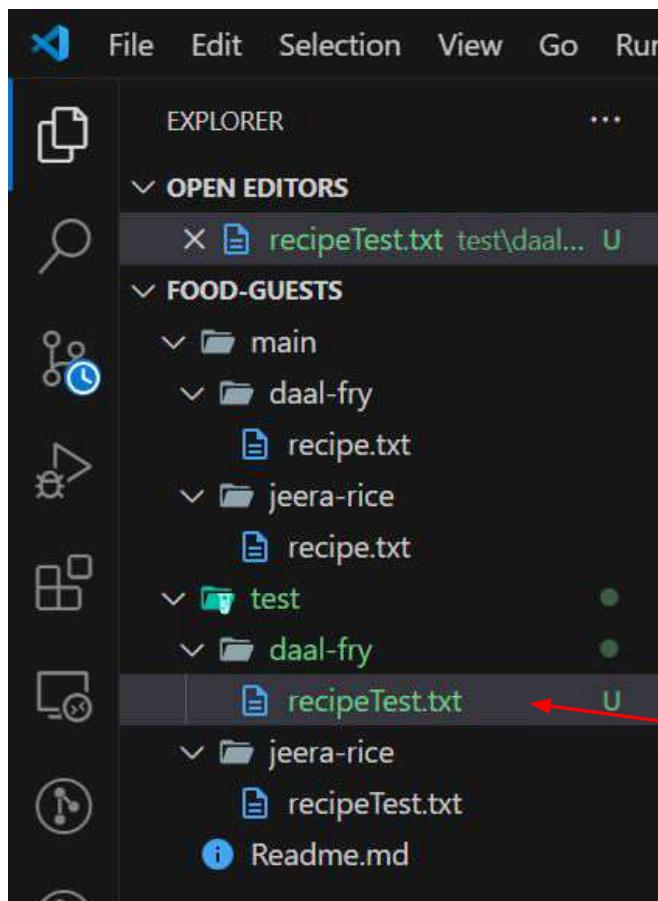
commit 6b3aa77f3be633e768b8a7f058ec0c14c047fcfd (origin/feature/jeera-rice)
Author: Harshad Prajapati <harshad.b.prajapati@gmail.com>
Date:   Sat Jun 1 20:55:21 2024 +0530
fix(jeera-rice): add step of garnishing

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
```

**Check author
(Collaborator)**

**Check author
(Owner)**

238



Create new file for test

```
recipeTest.txt U X
```

```
test > daal-fry > recipeTest.txt
```

```
1 1. Look: Check the consistency and color of the dal.  
2 2. Taste: Taste the dal to ensure it's well-spiced and flavorful.
```

Write test content in
the file.

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git status ←
On branch feature/daal-fry → Check status using
Untracked files:          git status
(test/daal-fry/)

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

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git add test/daal-fry/ ← Add file to staging area using git add
```

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git status ←
On branch feature/daal-fry → Check status using
Changes to be committed:      git status
(use "git restore --staged <file>..." to unstage)
  new file:   test/daal-fry/recipeTest.txt
```

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry) 241
```

Write commit using
git commit

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git commit -m "test(daal-fry): add test for Daal Fry"
[feature/daal-fry 0ebabd2] test(daal-fry): add test for Daal Fry
 1 file changed, 2 insertions(+)
 create mode 100644 test/daal-fry/recipeTest.txt
```

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ █
```

Check commit history using
git log --oneline



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git log --oneline
0ebabd2 (HEAD -> feature/daal-fry) test(daal-fry): add test for Daal Fry
4a46438 feat(daal-fry): add recipe for Daal Fry
7583cdc (origin/main, origin/HEAD, main) fix(jeera-rice): corrected the step of garnishing
6b3aa77 (origin/feature/jeera-rice) fix(jeera-rice): add step of garnishing
ad53c61 fix(jeera-rice): add step of garnishing
146f40f test(jeera-rice): add test for Jeera Rice
8b502d8 feat(jeera-rice): add steps of preparing Jeera Rice
fd21f5 Initial commit

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$
```

243

Check remote branches using
git remote -v

We do not need to add origin
as we cloned the repository



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git remote -v
origin  git@github.com-profhbp:harshadbprajapati/food-guests.git (fetch)
origin  git@github.com-profhbp:harshadbprajapati/food-guests.git (push)

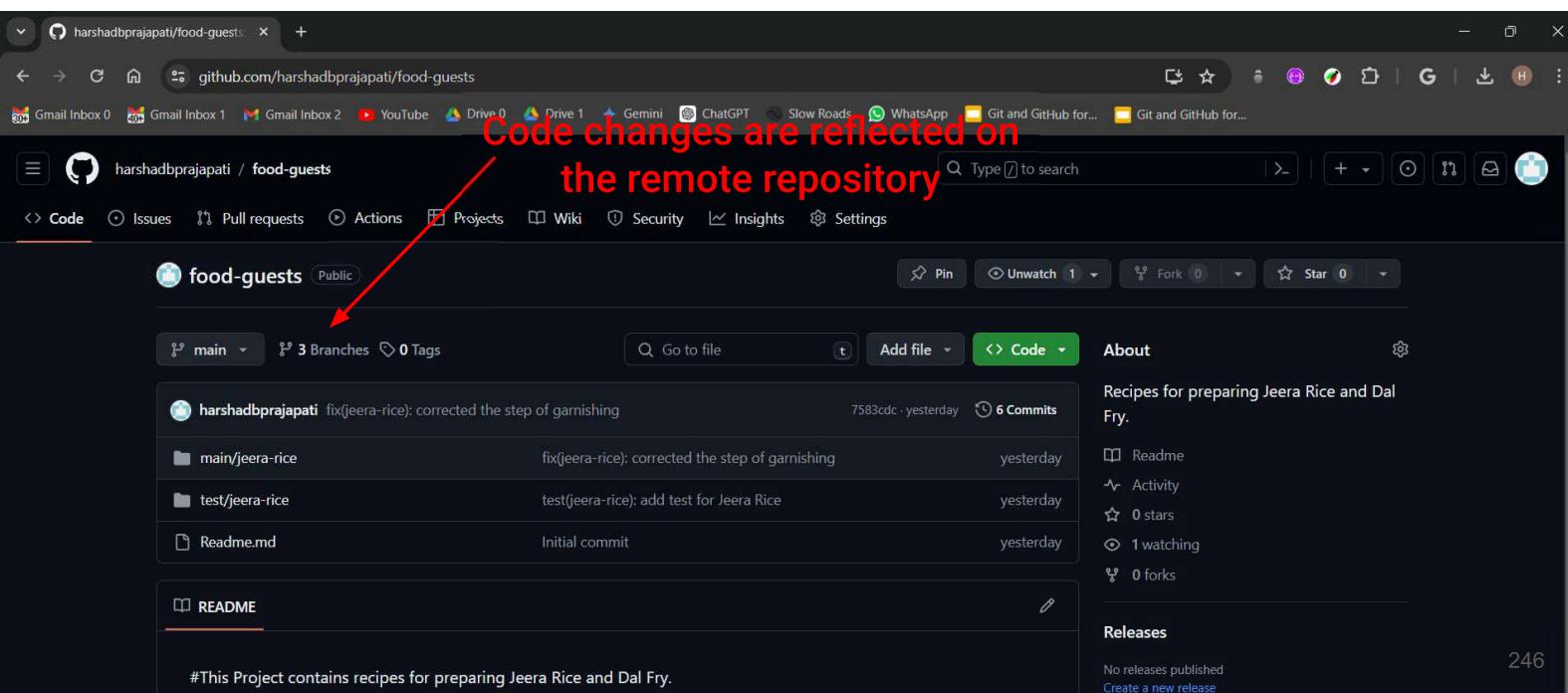
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$
```

244

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git remote -v
origin  git@github.com:profhbp:harshadbprajapati/food-guests.git (fetch)
origin  git@github.com:profhbp:harshadbprajapati/food-guests.git (push)

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
● $ git push --all ← Push all changes to remote
  Enumerating objects: 13, done.
  Counting objects: 100% (13/13), done. repository
  Delta compression using up to 16 threads
  Compressing objects: 100% (8/8), done. The origin is default
  Writing objects: 100% (10/10), 2.37 KiB | 186.00 KiB/s, done.
  Total 10 (delta 1), reused 0 (delta 0), pack-reused 0
  remote: Resolving deltas: 100% (1/1), done.
  remote:
  remote: Create a pull request for 'feature/daal-fry' on GitHub by visiting:
  remote:     https://github.com/harshadbprajapati/food-guests/pull/new/feature/daal-fry
  remote:
  To github.com:profhbp:harshadbprajapati/food-guests.git
   * [new branch]      feature/daal-fry -> feature/daal-fry
```

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)



On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

2. Refresh the page

1. Code changes are reflected on the remote repository

You now have push access to the harshadbprajapati/food-guests repository.

food-guests Public

feature/daal-fry had recent pushes on Jun 2

Compare & pull request

main 2 Branches 0 Tags

Go to file Add file Code

harshadbprajapati fix(jeera-rice): corrected the step of garnishing 7583cdc · yesterday 6 Commits

main/jeera-rice fix(jeera-rice): corrected the step of garnishing yesterday

test/jeera-rice test(jeera-rice): add test for Jeera Rice yesterday

Readme.md Initial commit yesterday

README

About

Recipes for preparing Jeera Rice and Dal Fry.

Readme Activity 0 stars 1 watching 0 forks Report repository

Releases

No releases published Create a new release

247

Option for pull request

Branches are now three

feature/daal-fry had recent pushes 1 minute ago

Compare & pull request

main 3 Branches 0 Tags

Go to file Add file Code

harshadbprajapati fix(jeera-rice): corrected the step of garnishing 7583cdc · yesterday 6 Commits

main/jeera-rice fix(jeera-rice): corrected the step of garnishing yesterday

test/jeera-rice test(jeera-rice): add test for Jeera Rice yesterday

Readme.md Initial commit yesterday

README

About

Recipes for preparing Jeera Rice and Dal Fry.

Readme Activity 0 stars 1 watching 0 forks Report repository

Releases

No releases published Create a new release

Packages

#This Project contains recipes for preparing Jeera Rice and Dal Fry.

248

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git remote -v
origin  git@github.com-profhbp:harshadbprajapati/food-guests.git (fetch)
origin  git@github.com-profhbp:harshadbprajapati/food-guests.git (push)

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git push --all
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 16 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (10/10), 2.37 KiB | 186.00 KiB/s, done.
Total 10 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
remote:
remote: Create a pull request for 'feature/daal-fry' on GitHub by visiting:
remote:     https://github.com-harshadbprajapati/food-guests/pull/new/feature/daal-fry
remote:
To github.com-profhbp:harshadbprajapati/food-guests.git
 * [new branch]      feature/daal-fry -> feature/daal-fry
```

While pushing changes, git also suggested for pull request

Create Pull Request (By the Collaborator)

On GitHub.com, user: prajpatihib.it (Collaborator of the repository)

A screenshot of a GitHub repository page for 'food-guests'. At the top, there's a banner with a yellow icon and the text 'feature/daal-fry had recent pushes 1 minute ago'. Below the banner is a green button labeled 'Compare & pull request'. The main area shows a list of recent commits from 'harshadbprajapati'. On the right side, there are sections for 'About', 'Releases', and 'Packages'. A red arrow points from the text 'Click to initiate PULL request' to the 'Compare & pull request' button.

On GitHub.com, user: prajpatihib.it (Collaborator of the repository)

A screenshot of the GitHub pull request creation interface. It shows a comparison between 'base: main' and 'compare: feature/daal-fry'. A green checkmark indicates 'Able to merge'. The interface includes fields for 'Add a title' (containing 'New feature of daal fry done') and 'Add a description' (containing 'Kindly review my code and approve the request.'). On the right, there are sections for 'Reviewers' (with 'No reviews'), 'Assignees' (with 'No one—assign yourself'), 'Labels' (with 'None yet'), 'Projects' (with 'None yet'), 'Milestone' (with 'No milestone'), and 'Development' (with 'None yet'). Red arrows point from the text 'This branch will receive changes.' to the 'base: main' dropdown, from 'This branch is to be merged with base' to the 'compare: feature/daal-fry' dropdown, from 'Write title' to the title input field, from 'Add description' to the description text area, and from 'We need to assign' to the 'Assignees' section.

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

Markdown is supported Paste, drop, or click to add files

Create pull request

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

Development
Use [Closing keywords](#) in the description to automatically close issues

Helpful resources
[GitHub Community Guidelines](#)

2 commits 2 files changed 1 contributor

Commits on Jun 2, 2024

feat(daal-fry): add recipe for Daal Fry
prajapatihb committed 3 hours ago

test(daal-fry): add test for Daal Fry
prajapatihb committed 3 hours ago

Showing 2 changed files with 8 additions and 0 deletions.

Content on the page

Unverified 4a46438

Unverified 0ebabd2

Split Unified

main/daal-fry/recipe.txt

```
@@ -0,0 +1,6 @@
1 + 1. Wash and soak lentils.
2 + 2. Pressure cook lentils with turmeric and salt.
3 + 3. In a pan, heat oil and add cumin seeds, garlic, and ginger.
4 + 4. Sauté onions until golden brown.
5 + 5. Add tomatoes and spices, and cook until oil separates.
6 + 6. Add cooked lentils and water, and simmer until desired consistency.
```

2 test/daal-fry/recipeTest.txt

```
@@ -0,0 +1,2 @@
1 + 1. Look: Check the consistency and color of the dal.
2 + 2. Taste: Taste the dal to ensure it's well-spiced and flavorful.
```

253

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

Commits on Jun 2, 2024

feat(daal-fry): add recipe for Daal Fry
prajapatihb committed 3 hours ago

test(daal-fry): add test for Daal Fry
prajapatihb committed 3 hours ago

Showing 2 changed files with 8 additions and 0 deletions.

Content on the page

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main/daal-fry/recipe.txt

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4 + 4. Sauté onions until golden brown.
5 + 5. Add tomatoes and spices, and cook until oil separates.
6 + 6. Add cooked lentils and water, and simmer until desired consistency.
```

test/daal-fry/recipeTest.txt

```
@@ -0,0 +1,2 @@
1 + 1. Look: Check the consistency and color of the dal.
2 + 2. Taste: Taste the dal to ensure it's well-spiced and flavorful.
```

254



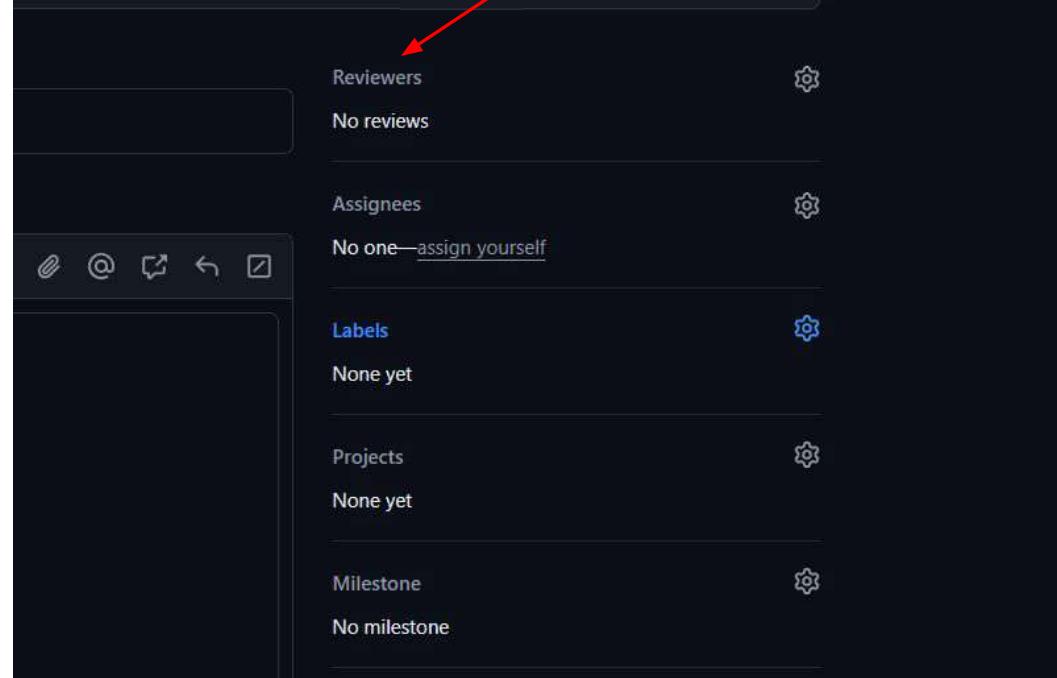
© 2024 GitHub, Inc. Terms Privacy Security Status Docs Contact Manage cookies Do not share my personal information

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

works. Learn more about diff comparisons [here](#).

ed.

Click it to select reviewer



Reviewer:

- Review the changes in the pull request.
 - Provide feedback, approve PR or request changes to PR.

Assignees

- Responsible for the pull request.
 - Will work on resolving with issues or feedback.

255

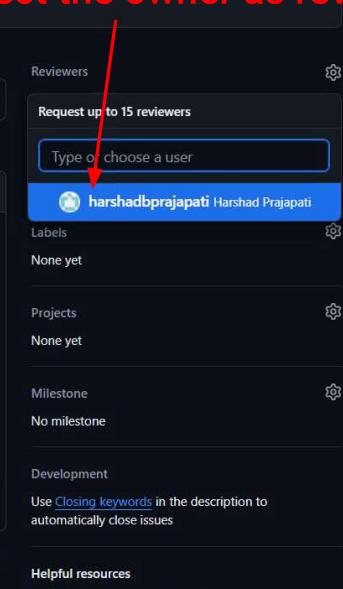
On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks. Learn more about diff comparisons here.

A screenshot of a GitHub pull request interface. At the top, there are navigation icons, a dropdown menu set to 'base: main', a 'compare' dropdown set to 'feature/daal-fry', and a green checkmark indicating the branches can be automatically merged. The title 'Add a title' is present, with the placeholder 'New feature of daal fry done'. Below it, the section 'Add a description' is open, showing a 'Write' tab selected and a 'Preview' tab. The preview area contains the text 'Kindly review my code and approve the request.' To the right of the preview are various rich text editing tools like bold, italic, and link. At the bottom, there's a note that 'Markdown is supported' and a file upload area with the instruction 'Paste, drop, or click to add files'. A large green button at the bottom right says 'Create pull request'.

Select the owner as reviewer



On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks. Learn more about diff comparisons here.

The screenshot shows the GitHub pull request creation interface. At the top, it says "base: main" and "compare: feature/daal-fry". A green checkmark indicates "Able to merge". The right sidebar shows "Reviewers" (harshadbprajapati) and "Assignees" (No one—assign yourself). A red arrow points to the "Assignees" field. The main area has fields for "Add a title" (New feature of daal fry done), "Add a description" (Write: Kindly review my code and approve the request.), and a "Create pull request" button. A note at the bottom says "Remember, contributions to this repository should follow our GitHub Community Guidelines."

257

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks. Learn more about diff comparisons here.

The screenshot shows the GitHub pull request creation interface. At the top, it says "base: main" and "compare: feature/daal-fry". A green checkmark indicates "Able to merge". The right sidebar shows "Reviewers" (harshadbprajapati) and "Assignees" (prajapatihb). A red arrow points to the "Assignees" field. The main area has fields for "Add a title" (New feature of daal fry done), "Add a description" (Write: Kindly review my code and approve the request.), and a "Create pull request" button. A note at the bottom says "Remember, contributions to this repository should follow our GitHub Community Guidelines."

258

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks. Learn more about diff comparisons here.

The screenshot shows the GitHub interface for creating a pull request. At the top, it says "base: main" and "compare: feature/daal-fry". A green checkmark indicates "Able to merge". The title field contains "New feature of daal fry done". The description field contains "Kindly review my code and approve the request." On the right, there are sections for Reviewers (harshadbprajapati), Assignees (prajapatihb), Labels (None yet), Projects (None yet), Milestone (No milestone), Development (Use Closing keywords in the description to automatically close issues), and Helpful resources (GitHub Community Guidelines). A red arrow points to the "Create pull request" button at the bottom right of the main form area.

259

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

The screenshot shows the GitHub pull request details page for pull request #1. The title is "New feature of daal fry done #1". A red arrow points to this title. The description is "Kindly review my code and approve the request.". The right sidebar shows the pull request status: "Still in progress? Convert to draft". It includes sections for Reviewers (harshadbprajapati), Assignees (prajapatihb), Labels (None yet), Projects (None yet), Milestone (None yet), and a summary of 8 changes (0 additions, 0 deletions). The pull request has 0 comments, 0 checks, and 2 files changed. A red arrow also points to the "#1 Open" status in the top left of the pull request card.

260

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

The screenshot shows a GitHub pull request page for a repository named "food-guests". The pull request is titled "New feature of daal fry done #1" and is from the user "prajapatihb". It has been merged into the "main" branch from the "feature/daal-fry" branch. A green box highlights the "Review requested" status, indicating that a review has been requested but is not required for merging. The page also shows that there is 1 pending reviewer. Below this, it states that the branch has no conflicts with the base branch. A "Merge pull request" button is visible. On the right side, there are sections for "Development" (with a note about closing issues), "Notifications" (with an "Unsubscribe" button), and "1 participant". At the bottom, there is a note about following GitHub Community Guidelines and a "Comment" button.

Responding to PULL Request By Owner

On Gmail.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a Gmail inbox. The subject of the email is "[harshadbprajapati/food-guests] New feature of daal fry done (PR #1)". The email is from "prajapatihb <notifications@github.com>" and was sent at 9:51PM (1 minute ago). The message body includes a link to view the pull request online: <https://github.com/harshadbprajapati/food-guests/pull/1>. A red arrow points to this link with the text "Clicking this link will take to handling pull request". Below the link, there is a "Commit Summary" section with two commits: "4a46438 feat(daal-fry): add recipe for Daal Fry" and "0ebabd2 test(daal-fry): add test for Daal Fry". There is also a "File Changes (2 files)" section. A yellow box highlights the text "Owner of the repository has received email about PR".

On Gmail.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a Gmail inbox. The subject of the email is "@prajapatihb requested your review on: #1 New feature of daal fry done.". The email is from "prajapatihb <notifications@github.com>" and was sent at 9:51PM (1 minute ago). The message body includes a link to view the review request on GitHub: [view it on GitHub](#). It also states "You are receiving this because your review was requested." Below the message are several circular buttons for "Reply", "Reply all", "Forward", and a smiley face icon.

Owner of the repository has received email about reviewing PR.

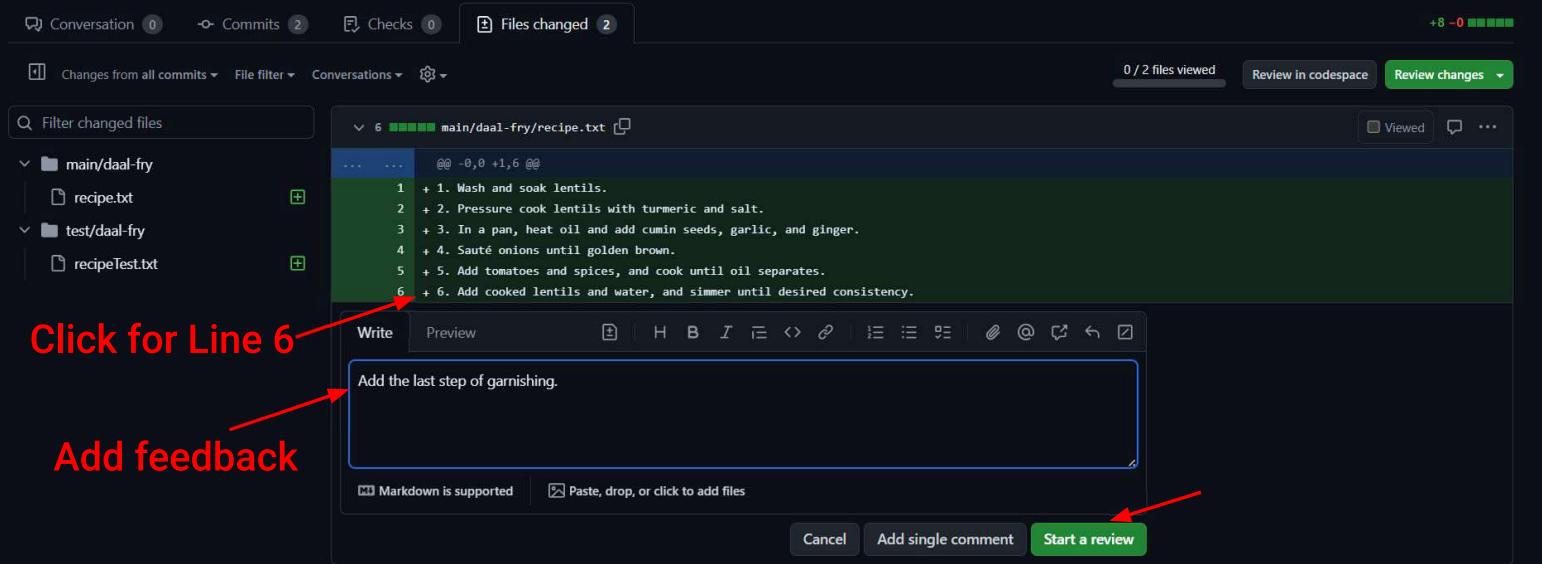
On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request page. The URL in the address bar is `github.com/harshadbprajapati/food-guests/pull/1`. The page title is "New feature of daal fry done #1". A red arrow points to the URL bar. Another red arrow points to a message bubble at the top of the pull request page that says "prajapatihb requested your review on this pull request." A third red arrow points to a green button labeled "Add your review". The right sidebar shows the reviewer "harshadbprajapati" and the assignee "prajapatihb".

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request page. The URL in the address bar is `github.com/harshadbprajapati/food-guests/pull/1/files`. The page title is "New feature of daal fry done #1". A red arrow points to the URL bar. The right sidebar contains the text "Reviewer can review each line and can provide feedback by clicking + sign beside each line for each file." The main content area shows a diff view of the file `main/daal-fry/recipe.txt`. A red arrow points to the line number 6 in the diff, which is "+ 6. Add cooked lentils and water, and simmer until desired consistency." Below it is another file, `test/daal-fry/recipeTest.txt`.

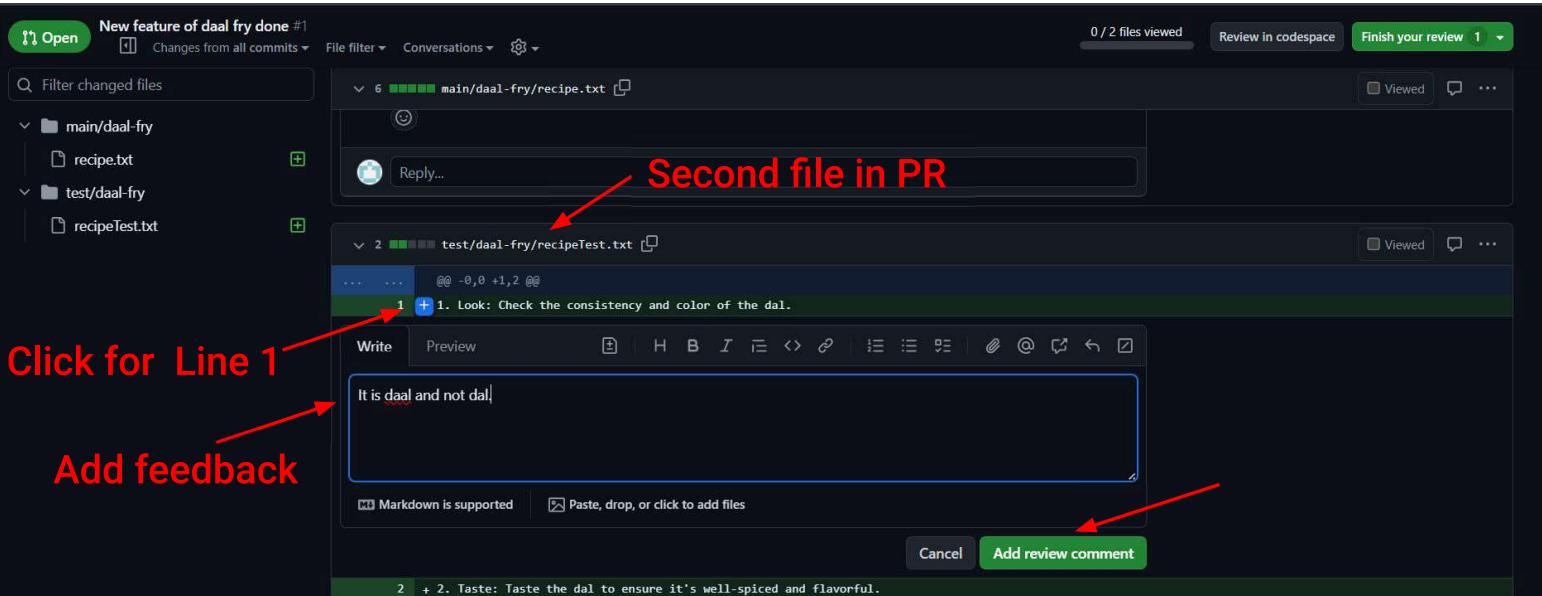
On GitHub.com, user: harshad.b.prajapati (Owner of the repository)



A screenshot of the GitHub pull request review interface. The top navigation bar shows 'Conversation 0', 'Commits 2', 'Checks 0', 'Files changed 2', and a status of '+8 -0'. Below the navigation is a 'Changes from all commits' dropdown and a 'File filter' button. The main area shows a file tree with 'main/daal-fry/recipe.txt' expanded, showing 6 changes. The changes are numbered 1 through 6, with the last change being '+ 6. Add cooked lentils and water, and simmer until desired consistency.' A red arrow points to this line with the text 'Click for Line 6'. A red box highlights the 'Add feedback' text input field, with a red arrow pointing to it. Another red arrow points to the 'Start a review' button at the bottom right.

267

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)



A screenshot of the GitHub pull request review interface. The top navigation bar shows 'Open', 'New feature of daal fry done #1', 'Changes from all commits', and a status of '0 / 2 files viewed'. Below the navigation is a 'File filter' button and a 'Reply...' button. The main area shows a file tree with 'main/daal-fry/recipe.txt' and 'test/daal-fry/recipeTest.txt' expanded. The first change in 'recipeTest.txt' is '+ 1. Look: Check the consistency and color of the dal.' A red arrow points to this line with the text 'Click for Line 1'. A red box highlights the 'Add feedback' text input field, with a red arrow pointing to it. Another red arrow points to the 'Add review comment' button at the bottom right.

268

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of the GitHub review interface. A comment is being added to a pull request. The comment text is "It is daal and not dal." with "daal" underlined. A red arrow points from the text "Click for Line 2" to the underlined word "daal". Another red arrow points from the text "Add feedback" to the "Add review comment" button.

269

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of the GitHub pull request page for a repository named "food-guests". The pull request is titled "New feature of daal fry done #1". A red arrow points from the text "Reviewer can view here commits included in PR" to the commit list. The commits are:

- feat(daal-fry): add recipe for Daal Fry by prajapatihb committed 3 hours ago
- test(daal-fry): add test for Daal Fry by prajapatihb committed 3 hours ago

270

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub Pull Request page. The title is "New feature of daal fry done #1". The top bar shows the repository "harshadbprajapati / food-guests". The "Files changed" tab is selected, showing 2 files: "main/daal-fry/recipe.txt" and "test/daal-fry/recipeTest.txt". A red arrow points to the "Viewed" checkbox for the first file, which is checked. Another red arrow points to the "Viewed" checkbox for the second file, which is unchecked. A review comment from "harshadbprajapati" is visible, stating "It is daal and not dal." and "Owner". The bottom right corner shows the number 271.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub Pull Request page, identical to the one above but with a different state. The "Viewed" checkbox for both files is now unchecked. A red arrow points to the "Viewed" checkbox for the second file. The review comment from "harshadbprajapati" remains the same: "It is daal and not dal." and "Owner". The bottom right corner shows the number 272.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request page. The title is "New feature of daal fry done #1". The main content area shows two files: "main/daal-fry/recipe.txt" (6 changes) and "test/daal-fry/recipeTest.txt" (2 changes). A red arrow points from the text "1. Reviewer has seen and responded to each file" to the "Review changes" button at the top right of the file list. Another red arrow points from the text "2. Reviewer can now respond." to the same button.

273

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request page. The title is "New feature of daal fry done #1". The main content area shows two files: "main/daal-fry/recipe.txt" (6 changes) and "test/daal-fry/recipeTest.txt" (2 changes). A red arrow points from the text "Reviewer wants changes" to the "Comment" button in the review interface. Another red arrow points to the "3 pending comments" link at the bottom right of the review interface.

274

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

The screenshot shows a GitHub pull request page for a repository named "food-guests". The pull request has 2 files viewed. A modal window titled "Finish your review" is open, containing a text area with the placeholder "Kindly do the changes!" and a "Write" tab selected. Below the text area are three radio button options: "Comment", "Approve", and "Request changes". The "Request changes" option is selected. Red arrows point from the text area and the "Request changes" label to the instructions "1. Write message for review." and "2. Click to submit review." respectively. The bottom right of the modal has a green "Submit review" button.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

The screenshot shows the GitHub pull request timeline. It includes a comment from "prajapatihb" requesting a review, two commits from "prajapatihb", and a self-assigned status. A red arrow points to the last item in the timeline: "harshadbprajapati requested changes now". A large red text overlay at the bottom right reads "Response of the reviewer gets added on timeline of PR".

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

The screenshot shows a GitHub pull request page for a repository named 'food-guests'. The pull request is titled 'New feature of daal fry done' and has been merged. A red arrow points to a comment from the owner, 'harshadbprajapati', which reads: 'Kindly do the changes.' Below this, another comment from the same user says: 'Add the last step of garnishing.' A reply box is visible, and there is a 'Resolve conversation' button. The right sidebar shows development statistics and notifications.

Response of the reviewer gets added on timeline of PR

Responding to Reviewer's Feedback By Collaborator/Assignee

On Gmail.com, user: prajapatihb (Collaborator of the repository)

Search in mail

Active

1 of 41

Re: [harshadbprajapati/food-guests] New feature of daal fry done (PR #1) External Inbox

Harshad Prajapati <notifications@github.com> Unsubscribe
to harshadbprajapati/food-guests, me, Author

10:01PM (0 minutes ago)

@harshadbprajapati requested changes on this pull request.

Kindly do the changes. 

In [main/daal-fry/recipe.txt](#):

```
> @@ -0,0 +1,6 @@
+1. Wash and soak lentils.
+2. Pressure cook lentils with turmeric and salt.
+3. In a pan, heat oil and add cumin seeds, garlic, and ginger.
+4. Sauté onions until golden brown.
+5. Add tomatoes and spices, and cook until oil separates.
+6. Add cooked lentils and water, and simmer until desired consistency.
```

Add the last step of garnishing. 

In [test/daal-fry/recipeTest.txt](#):

```
> @@ -0,0 +1,2 @@
+1. Look: Check the consistency and color of the dal.
```

It is daal and not dal.

Email is received by the collaborator

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

Search in mail

Active

1 of 41

+6. Add cooked lentils and water, and simmer until desired consistency.

Add the last step of garnishing.

In [test/daal-fry/recipeTest.txt](#):

```
> @@ -0,0 +1,2 @@
+1. Look: Check the consistency and color of the dal.
```

It is daal and not dal. 

In [test/daal-fry/recipeTest.txt](#):

```
> @@ -0,0 +1,2 @@
+1. Look: Check the consistency and color of the dal.
+2. Taste: Taste the dal to ensure it's well-spiced and flavorful.
```

It is daal and not dal. 

—

Reply to this email directly, [view it on GitHub](#), or [unsubscribe](#).
You are receiving this because you authored the thread.

Reply Reply all Forward

Email is received by the collaborator

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

Do changes in source file

```
recipe.txt M X  
main > daal-fry > recipe.txt  
You, 1 second ago | 1 author (You)  
1. Wash and soak lentils.  
2. Pressure cook lentils with turmeric and salt.  
3. In a pan, heat oil and add cumin seeds, garlic, and ginger.  
4. Sauté onions until golden brown.  
5. Add tomatoes and spices, and cook until oil separates.  
6. Add cooked lentils and water, and simmer until desired consistency.  
7. Garnish with FRESH coriander leaves. You, 1 second ago • Uncomm
```

Add the last step

281

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)

\$ git status ← Check status using

On branch feature/daal-fry Changes not staged for commit: git status

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: main/daal-fry/recipe.txt

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

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)

● \$ git add . ← Add file to staging area using git add

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)

● \$ git commit -m "fix(daal-fry): add the last step of garnishing"

[feature/daal-fry 4ebb271] fix(daal-fry): add the last step of garnishing

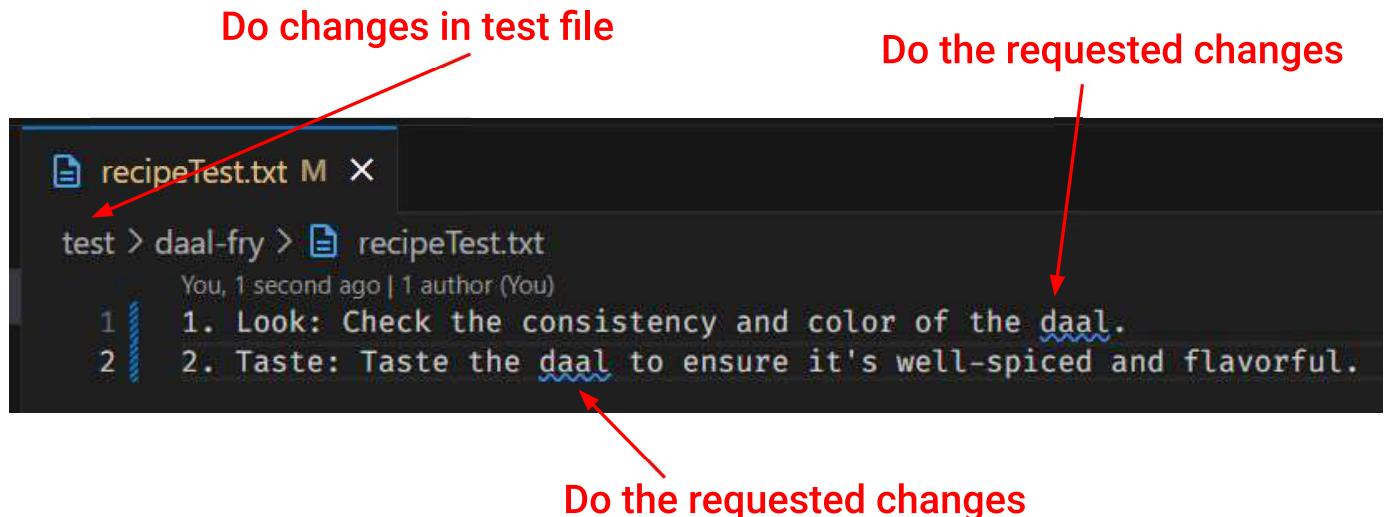
1 file changed, 2 insertions(+), 1 deletion(-)

← Add commit

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)

\$

282



283

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git status ←
On branch feature/daal-fry
Changes not staged for commit:          git status
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   test/daal-fry/recipeTest.txt

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

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
● $ git add . ←
Add file to staging area using git add

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
● $ git commit -m "test(daal-fry): update spelling : dal -> daal"
[feature/daal-fry 5424e46] test(daal-fry): update spelling : dal -> daal
  1 file changed, 2 insertions(+), 2 deletions(-) ←
Add commit

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
```

284

Push Changes to Remote Repository

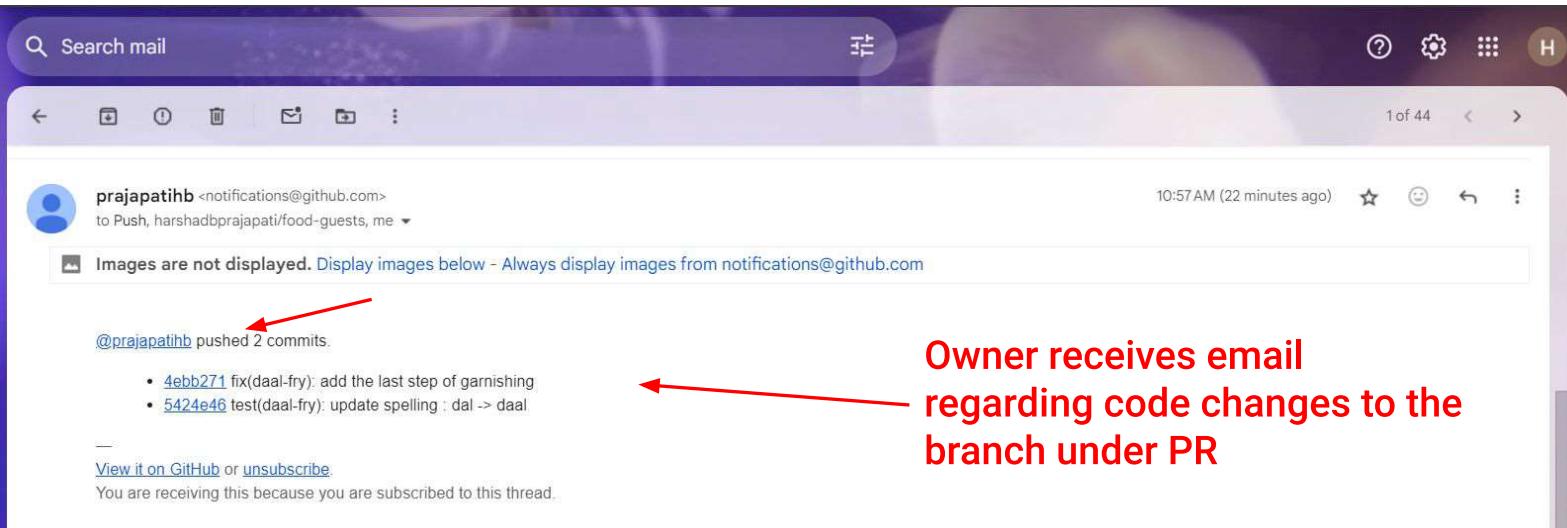
A screenshot of the VS Code interface showing the Terminal tab selected. The terminal window displays a command-line session where a user is pushing changes to a GitHub repository. The command entered is '\$ git push origin feature/daal-fry'. A red arrow points from the text 'Push changes of the branch' to this command. The output shows the progress of the push, including object enumeration, counting, compression, and writing, along with details about the remote repository and the resulting commit hash.

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git push origin feature/daal-fry
Enumerating objects: 17, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 16 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (10/10), 2.20 KiB | 2.20 MiB/s, done.
Total 10 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 2 local objects.
To github.com-profhbp:harshadbprajapati/food-guests.git
  0ebabd2..5424e46  feature/daal-fry -> feature/daal-fry

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$
```

285

On GitHub.com, user: **harshad.b.prajapati** (Owner of the repository)



Owner receives email
regarding code changes to the
branch under PR

286

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

SSH and GPG keys

New feature of daal fry done by

github.com/harshadbprajapati/food-guests/pull/1

Gmail Inbox 0 Gmail Inbox 1 Gmail Inbox 2 YouTube Drive 0 Drive 1 Gemini ChatGPT Slow Roads WhatsApp

Incognito

Code Issues Pull requests 1 Actions Projects Wiki Security Insights

New feature of daal fry done #1

Open prajapatihb wants to merge 4 commits into main from feature/daal-fry

Conversation 0 Commits 4 Checks 0 Files changed 2

Collaborator can view changes happened with the PR due to PUSH to the branch.

prajapatihb commented 13 hours ago
Kindly review my code and approve the request.

prajapatihb added 2 commits 16 hours ago
feat(daal-fry): add recipe for Daal Fry
test(daal-fry): add test for Daal Fry

prajapatihb requested a review from harshadbprajapati 13 hours ago

Reviewers harshadbprajapati Still in progress? Convert to draft

Assignees prajapatihb Labels None yet

Projects None yet

287

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

SSH and GPG keys

New feature of daal fry done by

github.com/harshadbprajapati/food-guests/pull/1/commits

Gmail Inbox 0 Gmail Inbox 1 Gmail Inbox 2 YouTube Drive 0 Drive 1 Gemini ChatGPT Slow Roads WhatsApp

Incognito

Code Issues Pull requests 1 Actions Projects Wiki Security Insights

New feature of daal fry done #1

Open prajapatihb wants to merge 4 commits into main from feature/daal-fry

Conversation 4 Commits 4 Checks 0 Files changed 2

Commits on Jun 2, 2024

feat(daal-fry): add recipe for Daal Fry
prajapatihb committed 16 hours ago

test(daal-fry): add test for Daal Fry
prajapatihb committed 16 hours ago

Commits on Jun 3, 2024

fix(daal-fry): add the last step of garnishing
prajapatihb committed 6 minutes ago

test(daal-fry): update spelling : dal -> daal
prajapatihb committed 4 minutes ago

Commits created by the collaborator as response to the feedback.

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

New feature of daal fry done #1

Open prajapatihb wants to merge 4 commits into `main` from `feature/daal-fry`

Conversation 4 Commits 4 Checks 0 Files changed 2

Changes from all commits File filter Conversations

Filter changed files

main/daal-fry

recipe.txt

test/daal-fry

recipeTest.txt

main/daal-fry/recipe.txt

... @@ -0,0 +1,7 @@

1 + 1. Wash and soak lentils.
2 + 2. Pressure cook lentils with turmeric and salt.
3 + 3. In a pan, heat oil and add cumin seeds, garlic, and ginger.
4 + 4. Sauté onions until golden brown.
5 + 5. Add tomatoes and spices, and cook until oil separates.
6 + 6. Add cooked lentils and water, and simmer until desired consistency.
7 + 7. Garnish with FRESH coriander leaves.

test/daal-fry/recipeTest.txt

... @@ -0,0 +1,2 @@

1 + 1. Look: Check the consistency and color of the daal.
2 + 2. Taste: Taste the daal to ensure it's well-spiced and flavorful.

Collaborator can also view changes done by him/her

0 / 2 files viewed Review in codespace Review changes

Viewed

289

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

SSH and GPG keys New feature of daal fry done by

github.com/harshadbprajapati/food-guests/pull/1

Incognito

harshadbprajapati / food-guests

Type to search

New feature of daal fry done #1

Open prajapatihb wants to merge 4 commits into `main` from `feature/daal-fry`

Conversation 4 Commits 4 Checks 0 Files changed 2

Collaborator

prajapatihb commented 13 hours ago

Kindly review my code and approve the request.

prajapatihb added 2 commits 16 hours ago

-feat(daal-fry): add recipe for Daal Fry
-test(daal-fry): add test for Daal Fry

prajapatihb requested a review from harshadbprajapati 13 hours ago

prajapatihb self-assigned this 13 hours ago

Reviewers

harshadbprajapati

Still in progress? Convert to draft

Assignees

prajapatihb

Labels

None yet

Projects

None yet

Milestone

290

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

A screenshot of a GitHub pull request page showing two conversations. The top conversation is between harshadbprajapati and prajapatihb. The bottom conversation is between harshadbprajapati and another user. A red arrow points from the text "The last step of garnishing has been added." in the bottom conversation to the "Reply..." button in that conversation.

Collaborator can send reply of each concern.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

An email notification from GitHub. The subject is "Review requested - harshadbprajapati/food-guests". The body of the email shows a comment from @prajapatihb:

@prajapatihb commented on this pull request.

In main/daal-fry/recipe.txt:

```
+3. In a pan, heat oil and add cumin seeds, garlic, and ginger.  
+4. Sauté onions until golden brown.  
+5. Add tomatoes and spices, and cook until oil separates.  
+6. Add cooked lentils and water, and simmer until desired consistency.
```

The last step of garnishing has been added.

At the bottom, there is a note: "Reply to this email directly, [view it on GitHub](#), or [unsubscribe](#). You are receiving this because your review was requested."

The owner of the repository receives reply to his concern.

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

A screenshot of a GitHub pull request page. The title is "New feature of daal fry done #1". A comment from "prajapatihb" says: "The spelling dal -> daal has been replaced at both the places". A red arrow points from the text "The spelling dal -> daal has been replaced at both the places" to the text "The collaborator can provide response to each concern".

The collaborator can provide response to each concern

293

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

An email notification from GitHub. The subject is "Re: New feature of daal fry done #1". The message body shows a reply from "prajapatihb": "In test/daal-fry/recipeTest.txt:
+1. Look: Check the consistency and color of the dal.
The spelling dal -> daal has been replaced at both the places". A red arrow points from the text "The spelling dal -> daal has been replaced at both the places" to the text "The owner of the repository receives reply to his concern".

The owner of the repository receives reply to his concern.

294

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

A screenshot of a GitHub pull request page. The title of the pull request is "New feature of daal fry done #1". It shows a commit message: "test/daal-fry/recipeTest.txt Outdated" with an "Outdated" badge. The commit content includes a diff and a note: "1 + 1. Look: Check the consistency and color of the dal.". A comment from "harshadprajapati" says "It is daal and not dal." A reply from "prajapatihb" says "The spelling dal -> daal has been replaced at both the places". There is a "Reply..." button and a "Resolve conversation" button.

295

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

A screenshot of a GitHub pull request page, identical to the one above, showing the same conversation between "harshadprajapati" and "prajapatihb". Two red annotations are overlaid on the interface:

- An annotation points to the "Comment" button in the bottom right corner of the reply input field with the text: "1. The collaborator can provide response to each concern".
- An annotation points to the "Comment" button in the bottom right corner of the reply input field with the text: "2. Click to add comment".

296

On GitHub.com, user: **harshad.b.prajapati** (Owner of the repository)

The screenshot shows an email from GitHub notifications. The subject is "prajapatihb commented on this pull request." The message body contains a reply to a code review comment. A red arrow points from the text "The spelling dal -> daal has been replaced at both the places" to the word "dal". To the right of the arrow, the text "The owner of the repository receives reply to his concern." is overlaid in red.

pra japatihb <notifications@github.com>
to harshadbprajapati/food-guests, me, Review ▾

11:06 AM (16 minutes ago) ☆ ☺ ↗ ⋮

Images are not displayed. [Display images below](#) - Always display images from notifications@github.com

@prajapatihb commented on this pull request.

In [test/daal-fry/recipeTest.txt](#):

```
> @@ -0,0 +1,2 @@
+1. Look: Check the consistency and color of the dal.
+2. Taste: Taste the dal to ensure it's well-spiced and flavorful.
```

The spelling dal -> daal has been replaced at both the places

Reply to this email directly, [view it on GitHub](#), or [unsubscribe](#).
You are receiving this because your review was requested.

The owner of the repository receives reply to his concern.

297

Responding to PULL Request By Owner

298

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub browser interface. The URL is `github.com/harshadbprajapati/food-guests/pulls`. The top navigation bar shows 'Pull requests' with a badge '1'. A red arrow points to this badge. Below it, another red arrow points to the title of the first pull request, which is 'New feature of daal fry done'. The pull request has a green checkmark icon and the text '#1 opened 13 hours ago by prajapatihb • Changes requested'. The GitHub logo is visible in the top left corner.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request details page. The URL is `github.com/harshadbprajapati/food-guests/pull/1`. The top navigation bar shows 'Pull requests' with a badge '1'. A red arrow points to the 'Conversation' section, which contains a comment from 'prajapatihb' stating 'Kindly review my code and approve the request.' A large red arrow points downwards from this comment towards the bottom of the page, with the text 'Scroll Down View complete timeline' overlaid. The right sidebar shows 'Reviewers' (harshadbprajapati), 'Assignees' (prajapatihb), 'Labels' (None yet), 'Projects' (None yet), and 'Milestone' (None). The GitHub logo is visible in the top left corner.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request page. The title is "New feature of daal fry done #1". It shows a comment from "harshadbprajapati" requesting changes 13 hours ago, followed by a reply from "prajapatihb" 4 minutes ago. A large red arrow points downwards from the top of the comment section towards the bottom of the page, with the text "Scroll Down View complete timeline" overlaid.

New feature of daal fry done #1

prajapatihb wants to merge 4 commits into `main` from `feature/daal-fry`

harshadbprajapati requested changes 13 hours ago

View reviewed changes

harshadbprajapati left a comment

Kindly do the changes.

main/daal-fry/recipe.txt Outdated

3 + 3. In a pan, heat oil and add cumin seeds, garlic, and ginger.
4 + 4. Sauté onions until golden brown.
5 + 5. Add tomatoes and spices, and cook until oil separates.
6 + 6. Add cooked lentils and water, and simmer until desired consistency.

harshadbprajapati 13 hours ago

Add the last step of garnishing.

prajapatihb 4 minutes ago

The last step of garnishing has been added.

Reply... Resolve conversation

Owner ... Collaborator Author ...

NO MILESTONE

Development Successfully merging this pull request may close these issues.

None yet

Notifications Customize

Unsubscribe You're receiving notifications because you're watching this repository.

2 participants

Lock conversation

301

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request page. The title is "New feature of daal fry done #1". It shows a comment from "harshadbprajapati" 13 hours ago and a reply from "prajapatihb" 3 minutes ago. A large red arrow points downwards from the top of the comment section towards the bottom of the page, with the text "Scroll Down View complete timeline" overlaid.

New feature of daal fry done #1

prajapatihb wants to merge 4 commits into `main` from `feature/daal-fry`

harshadbprajapati 13 hours ago

It is daal and not dal.

prajapatihb 3 minutes ago

The spelling dal -> daal has been replaced at both the places

Reply... Resolve conversation

test/daal-fry/recipeTest.txt Outdated

@@ -0,0 +1,2 @@
1 + 1. Look: Check the consistency and color of the dal.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request page. At the top, a green button says "New feature of daal fry done #1". Below it, a message from "prajapatihb" says "prajapatihb wants to merge 4 commits into main from feature/daal-fry". A large red arrow points down to the conversation section, which shows a message from "harshadbprajapati" and a reply from "prajapatihb". A red box highlights the text "Scroll Down View complete timeline". Another red arrow points to the "View changes" button next to a "New changes since you last viewed" notification.

Scroll Down
View complete timeline

New changes since you last viewed

View changes

Click to view changes

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of the "Files changed" view for the same pull request. It shows two files: "main/daal-fry/recipe.txt" and "test/daal-fry/recipeTest.txt". Red arrows point to the "Changed since last view" and "Viewed" buttons at the top of the list. Another red arrow points to the "View changes and mark as done" button at the bottom of the list.

New feature of daal fry done #1

Open prajapatihb wants to merge 4 commits into main from feature/daal-fry

Conversation 7 Commits 4 Checks 0 Files changed 2

Changes from 2 commits File filter Conversations

Filter changed files

main/daal-fry recipe.txt

test/daal-fry recipeTest.txt

Changed since last view Viewed

View changes and mark as done

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

New feature of daal fry done #1

Open prajapatihb wants to merge 4 commits into main from feature/daal-fry

Conversation 7 Commits 4 Checks 0 Files changed 2

Changes from 2 commits File filter Conversations

Filter changed files main/daal-fry/recipe.txt

main/daal-fry/recipe.txt

test/daal-fry/recipeTest.txt

Changed since last view Viewed

View changes

View changes and mark as done

305

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

New feature of daal fry done #1

Open prajapatihb wants to merge 4 commits into main from feature/daal-fry

Conversation 7 Commits 4 Checks 0 Files changed 2

Changes from 2 commits File filter Conversations

Filter changed files main/daal-fry/recipe.txt

main/daal-fry/recipe.txt

test/daal-fry/recipeTest.txt

Viewed

All changes are viewed by the owner

306

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub repository page for 'food-guests'. The 'Code' tab is highlighted with a red arrow pointing to it from the left. The page shows a list of commits on the 'feature/daal-fry' branch, which is 4 commits ahead of the 'main' branch. The commits are as follows:

- prajapatihb test(daal-fry): update spelling : dal -> daal
- main fix(daal-fry): add the last step of garnishing
- test test(daal-fry): update spelling : dal -> daal
- Readme.md Initial commit

The 'About' section indicates the repository is for 'Recipes for preparing Jeera Rice and Dal Fry.' The 'Code' tab has a dropdown menu with options like 'Pin', 'Unwatch', 'Fork', 'Star', and 'Settings'.

Owner can also view changes in the branch

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of the same GitHub repository page. A red arrow points to the 'feature/daal-fry' branch in the dropdown menu of the 'Switch branches/tags' button. The dropdown menu also lists 'main' and 'feature/jeera-rice'. The main content area shows the commit history for the 'main' branch:

- fix(daal-fry): add the last step of garnishing
- fix(jeera-rice): corrected the step of garnishing
- test(jeera-rice): add test for Jeera Rice
- Initial commit

The 'About' section remains the same. The 'Code' tab has a dropdown menu with options like 'Pin', 'Unwatch', 'Fork', 'Star', and 'Settings'.

Select the branch for which PR has come.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub repository page for 'food-guests'. The repository is public and has 3 branches and 0 tags. The 'feature/daal-fry' branch is selected, showing 4 commits ahead of the 'main' branch. One commit in the 'test' folder is highlighted with a red arrow pointing to the README file content. The README file contains the text: '#This Project contains recipes for preparing Jeera Rice and Dal Fry.'

Code

feature/daal-fry

3 Branches 0 Tags

Go to file

Add file

Pin

Unwatch 1

Fork 0

Star 0

About

Recipes for preparing Jeera Rice and Dal Fry.

Readme

Activity

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

309

Open files and view them

prajapatihb test(daal-fry): update spelling : dal -> daal

main fix(daal-fry): add the last step of garnishing

test test(daal-fry): update spelling : dal -> daal

Readme.md Initial commit

README

#This Project contains recipes for preparing Jeera Rice and Dal Fry.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub repository page for 'food-guests'. The 'main/daal-fry/recipe.txt' file is selected. A red arrow points to the commit message 'fix(daal-fry): add the last step of garnishing' and the updated recipe content. The recipe now includes step 7: 'Garnish with FRESH coriander leaves.'

Code

Blame

Code 55% faster with GitHub Copilot

Raw

File

feature/daal-fry

Go to file

main

daal-fry

recipe.txt

jeera-rice

test

Readme.md

food-guests / main / daal-fry / recipe.txt

prajapatihb fix(daal-fry): add the last step of garnishing

4ebb271 · 18 minutes ago

History

1. Wash and soak lentils.
2. Pressure cook lentils with turmeric and salt.
3. In a pan, heat oil and add cumin seeds, garlic, and ginger.
4. Sauté onions until golden brown.
5. Add tomatoes and spices, and cook until oil separates.
6. Add cooked lentils and water, and simmer until desired consistency.
7. Garnish with FRESH coriander leaves.

Updated content

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub repository page for 'food-guests/test/daal-fry'. The file 'recipeTest.txt' is selected in the left sidebar. The main area shows a commit history for 'recipeTest.txt'. A red arrow points from the commit message 'prajapatihb test(daal-fry): update spelling : dal -> daal' to the commit message itself. Another red arrow points from the commit message to the text 'Updated content' at the bottom of the commit details.

Updated content

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of the same GitHub repository page, but the 'Pull requests' tab is now active in the top navigation bar. A red arrow points from the 'Pull requests' tab to the 'Go back to PR' text at the bottom left of the commit details. The commit message and content are identical to the previous screenshot.

Go back to PR

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull requests page. The URL in the address bar is github.com/harshadbprajapati/food-guests/pulls. The page title is "Pull requests - harshadbprajapati". There is a search bar at the top right with placeholder text "Type ⌘ to search". Below the search bar are navigation links: Code, Issues, Pull requests (1), Actions, Projects, Wiki, Security, Insights, and Settings. A modal window titled "Label issues and pull requests for new contributors" is displayed, stating "Now, GitHub will help potential first-time contributors [discover issues](#) labeled with [good first issue](#)". The main content area shows a table of pull requests. The first row in the table is highlighted with a red arrow pointing to it from below. The row contains the following information: status (1 Open, 0 Closed), author (prajapatihb), title ("New feature of daal fry done"), and a timestamp ("#1 opened 13 hours ago"). To the right of the table are buttons for "Labels 9", "Milestones 0", and "New pull request". At the bottom of the page, there is a footer with links to GitHub's Terms, Privacy, Security, Status, Docs, Contact, Manage cookies, and a "Do not share my personal information" checkbox. The number "313" is visible in the bottom right corner.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request details page. The URL in the address bar is github.com/harshadbprajapati/food-guests/pull/1. The page title is "New feature of daal fry done #1". The main content area shows the pull request summary: "prajapatihb wants to merge 4 commits into [main](#) from [feature/daal-fry](#)". Below this, there are tabs for Conversation (7), Commits (4), Checks (0), and Files changed (2). A red arrow points from the "Files changed" tab to the text "Go to file changes". The conversation section shows a comment from "prajapatihb": "Kindly review my code and approve the request." The commit history shows four commits: "feat(daal-fry): add recipe for Daal Fry" and "test(daal-fry): add test for Daal Fry", both added by "prajapatihb" 17 hours ago. It also shows a self-assignment: "prajapatihb self-assigned this 13 hours ago". On the right side, there are sections for Reviewers (harshadbprajapati), Assignees (prajapatihb), Labels (None yet), and Projects (None yet). The number "314" is visible in the bottom right corner.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request page. The title is "New feature of daal fry done #1". The status bar indicates "prajapatih wants to merge 4 commits into main from feature/daal-fry". Below the title, there are tabs for Conversation (7), Commits (4), Checks (0), and Files changed (2). The "Files changed" tab is selected, showing a list of 7 files: main/daal-fry/recipe.txt and test/daal-fry/recipeTest.txt. A red arrow points to the "Review changes" button at the top right of the file list. The bottom of the page shows GitHub navigation links and a copyright notice.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request page, identical to the one above, showing the "Review changes" button highlighted with a red arrow. A large red annotation in the center of the page reads "Now, the owner wants to approve the changes." A red arrow points to the "Approve" radio button in the "Finish your review" modal, which is overlaid on the page. The modal contains sections for "Leave a comment" (with a note that Markdown is supported) and three feedback options: "Comment", "Approve", and "Request changes".

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request page. The title of the PR is "New feature of daal fry done #1". The owner, "prajapatihb", has opened the PR to merge four commits from the "feature/daal-fry" branch into the "main" branch. The PR has 4 commits, 0 checks, and 2 files changed. The files changed are "main/daal-fry/recipe.txt" (7 changes) and "test/daal-fry/recipeTest.txt" (2 changes). A red arrow points from the "Write" tab in the review interface to the "Approve" button, which is selected. A red box highlights the "Approve" button with the text "Owner can write some message." A red arrow points from the "Leave a comment" text area to the "Approve" button.

Owner can write some message.

Approve

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of the same GitHub pull request page after the owner has submitted the review. The review text now reads "Good work. Your PR has been approved." A red arrow points from the "Approve" button in the review interface to the "Submit review" button at the bottom right of the modal. A red box highlights the "Submit review" button with the text "Owner submits review".

Good work. Your PR has been approved.

Submit review

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request page. At the top, a green button says "New feature of daal fry done #1". Below it, a comment from "harshadbprajapati" says "Good work. Your PR has been approved." A red arrow points from this comment down to the "Changes approved" section of the review sidebar. The sidebar lists several green checkmarks: "Changes approved" (1 approving review), "1 approval", "Require approval from specific reviewers before merging" (with a link to "Rulesets"), "Continuous integration has not been set up" (with links to "GitHub Actions" and "several other apps"), and "This branch has no conflicts with the base branch" (with a note that merging can be performed automatically). At the bottom of the sidebar is a green "Merge pull request" button.

Comment gets reflected on the PR timeline.

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

A screenshot of an email inbox. The subject line is "Re: [harshadbprajapati/food-guests] New feature of daal fry done (PR #1)". The email is from "Harshad Prajapati <notifications@github.com>" and is dated "Sun, Jun 2, 10:01PM (13 hours ago)". The body of the email contains the following text:
"@harshadbprajapati requested changes on this pull request. Kindly do the changes. In main/daal-fry/recipe.txt: > @@ -0,0 +1,6 @@ +1. Wash and soak lentils. +2."
The email ends with a standard footer: "Reply to this email directly, [view it on GitHub](#), or [unsubscribe](#). You are receiving this because you authored the thread."

The collaborator receives approval to his PR, finally.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request page. The URL in the address bar is github.com/harshadbprajapati/food-guests/pull/1. The page shows a pull request titled "New feature of daal fry done #1" by "prajapatib". The pull request has 1 approval. Below the approvals, there is a list of review comments and a "Merge pull request" button. A dropdown menu is open next to the "Merge pull request" button, showing four options: "Merge pull request", "Create a merge commit" (which is selected and highlighted in blue), "Squash and merge", and "Rebase and merge". Red arrows point from the text "Select appropriate option" and "Owner selects merge commit." to the "Create a merge commit" and "Merge pull request" buttons respectively.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request page, identical to the one above but with a different focus. The "Merge pull request" button is now highlighted in green, indicating it has been selected. A red arrow points from the text "Owner finally merges changes from the feature branch into the main branch." to the green "Merge pull request" button.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request merge dialog. The dialog shows a commit titled "New feature of daal fry done". A red arrow points from the text "Write/edit message" to the "Merge pull request #1 from harshadbprajapati/feature/daal-fry" button. Another red arrow points from the text "Click it to confirm merge" to the "Confirm merge" button. The background shows a comment section with a text area and a "Comment" button.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a GitHub pull request merged status. The status bar at the top says "Merged". A red arrow points from the text "Final status of PR" to the "Delete branch" button. The main message says "Pull request successfully merged and closed. You're all set—the feature/daal-fry branch can be safely deleted." A red arrow points from the text "After changes available on main branch, the feature branch can be deleted. We keep it for demo." to the "Delete branch" button. The background shows a comment section with a text area and a "Comment" button.

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

Search in mail

Active

1 of 43

11:16 AM (7 minutes ago)

Harshad Prajapati <notifications@github.com>
to harshadbprajapati/food-guests, me, Author

@harshadbprajapati approved this pull request.
Good work. Your PR has been approved.

Reply to this email directly, [view it on GitHub](#), or [unsubscribe](#).
You are receiving this because you authored the thread.

11:18 AM (4 minutes ago)

Harshad Prajapati <notifications@github.com>
to harshadbprajapati/food-guests, me, Author

Merged #1 into main.

Reply to this email directly, [view it on GitHub](#), or [unsubscribe](#).
You are receiving this because you authored the thread.

Reply Reply all Forward

Collaborator receives email when the PR gets approved

Collaborator also receives email when his branch gets merged into main branch.

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

New feature of daal fry done #1

Merged harshadbprajapati merged 4 commits into main from feature/daal-fry now

Conversation 8 Commits 4 Checks 0 Files changed 2

prajapatihb commented 13 hours ago
Kindly review my code and approve the request.

prajapatihb added 2 commits 17 hours ago

- feat(daal-fry): add recipe for Daal Fry
- test(daal-fry): add test for Daal Fry

prajapatihb requested a review from harshadbprajapati 13 hours ago

Reviewers: harshadbprajapati (green checkmark)

Assignees: prajapatihb (yellow circle)

Labels: None yet

Projects: None yet

Milestone: None yet

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a web browser showing a GitHub repository page. The URL in the address bar is github.com/harshadbprajapati/food-guests. The repository name is "food-guests". The "Code" tab is selected, highlighted with a blue border and a red arrow pointing to it from the left. The main content area shows a list of commits on the "main" branch. The first commit is by "harshadbprajapati" merging pull request #1 from "feature/daal-fry". The commit message is "fix(daal-fry): add the last step of garnishing". The commit was made 24 minutes ago. The second commit is "test(daal-fry): update spelling : dal -> daal", made 23 minutes ago. The third commit is "Initial commit", made 2 days ago. Below the commit list is a "README" file containing "#This Project contains recipes for preparing Jeera Rice and Dal Fry.". To the right of the code area, there is an "About" section with a description of the repository: "Recipes for preparing Jeera Rice and Dal Fry.", followed by links to "Readme", "Activity", "Stars", "Watching", and "Forks". There are also sections for "Releases" (No releases published) and "Packages" (No packages published). The bottom right corner of the page shows the number "327".

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

A screenshot of a web browser showing a GitHub file view. The URL in the address bar is github.com/harshadbprajapati/food-guests/blob/main/main/daal-fry/recipe.txt. The file path is "food-guests / main / daal-fry / recipe.txt". The file content is displayed in a code editor-like interface. The code is as follows:

```
1. Wash and soak lentils.  
2. Pressure cook lentils with turmeric and salt.  
3. In a pan, heat oil and add cumin seeds, garlic, and ginger.  
4. Sauté onions until golden brown.  
5. Add tomatoes and spices, and cook until oil separates.  
6. Add cooked lentils and water, and simmer until desired consistency.  
7. Garnish with FRESH coriander leaves.
```

Red arrows point from the text "fix(daal-fry): add the last step of garnishing" and "Garnish with FRESH coriander leaves." to the commit message and the final step of the recipe respectively. The bottom right corner of the page shows the number "328".

On GitHub.com, user: harshad.b.prajapati (Owner of the repository)

The screenshot shows a GitHub repository page for 'food-guests/test/daal-fry'. The file 'recipeTest.txt' is open, showing a single commit by 'prajapatihb' that updated the spelling of 'dal' to 'daal'. The commit message is: 'test(daal-fry): update spelling : dal -> daal'. Below the commit, there is a GitHub Copilot-generated note:

```
Code Blame 2 lines (2 loc) · 120 Bytes Code 55% faster with GitHub Copilot
1. Look: Check the consistency and color of the daal.
2. Taste: Taste the daal to ensure it's well-spiced and flavorful.
```

Two red arrows point to the first two lines of the note, highlighting them.

Collaborator Can View PR Status

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

A screenshot of a GitHub pull request page. The URL is github.com/harshadbprajapati/food-guests/pull/1. The title of the pull request is "New feature of daal fry done #1". A red arrow points to the "Pull requests" tab in the navigation bar. Another red arrow points to the merge commit message: "Merged harshadbprajapati merged 4 commits into main from feature/daal-fry 6 minutes ago". The pull request has 4 conversations, 4 commits, 0 checks, and 2 files changed. On the right, there are sections for Reviewers (harshadbprajapati), Assignees (prajapatihb), Labels (None yet), Projects (None yet), and Milestone (No milestone). The number 331 is visible at the bottom right.

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

A screenshot of a GitHub pull request page, identical to the one above but showing a different state. The pull request has been merged and closed. A red arrow points to the merge commit message: "Merged harshadbprajapati merged commit b8a746a into main 8 minutes ago". A message box says "Pull request successfully merged and closed. You're all set—the feature/daal-fry branch can be safely deleted." A "Delete branch" button is visible. Below, there's an "Add a comment" section with a "Comment" button. At the bottom, there are links for "GitHub Community Guidelines" and "ProTip! Add comments to specific lines under Files changed." The number 332 is visible at the bottom right.



On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

The screenshot shows the GitHub repository page for 'food-guests'. At the top, there's a red annotation 'We can verify commits.' with an arrow pointing to the 'Code' dropdown menu. Below the header, the commit history is listed:

- harshadbprajapati Merge pull request #1 from harshadbprajapati/feature/daal-fry b8a746a · 9 minutes ago 11 Commits
- main fix(daal-fry): add the last step of garnishing 33 minutes ago
- test test(daal-fry): update spelling : dal -> daal 31 minutes ago
- Readme.md Initial commit 2 days ago

On the right side, there's an 'About' section with details about the repository, including its purpose ('Recipes for preparing Jeera Rice and Dal Fry.'), statistics (Readme, Activity, 0 stars, 1 watching, 0 forks), and links to Report repository and Create a new release.

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

The screenshot shows the commit history for the 'main' branch of the 'food-guests' repository. A red annotation '3. Merge commit, due to merge approved by the owner.' points to the merge commit at the top. Another red annotation '2. Commits during response of the feedback' points to the two commits made by 'prajapatihb' in response to feedback. A third red annotation '1. Commits during development of the feature' points to the initial commits made by 'harshadbprajapati' during development.

Commits

- Merge pull request #1 from harshadbprajapati/feature/daal-fry b8a746a · 9 minutes ago (Verified)
- test(daal-fry): update spelling : dal -> daal 5424e46 · 31 minutes ago (Unverified)
- fix(daal-fry): add the last step of garnishing 4ebb271 · 33 minutes ago (Unverified)
- test(daal-fry): add test for Daal Fry 0ebabd2 · 17 hours ago (Unverified)
- feat(daal-fry): add recipe for Daal Fry 4a46438 · 17 hours ago (Unverified)

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

A screenshot of a GitHub commit history page. The commits are listed in chronological order from top to bottom:

- feat(daal-fry): add recipe for Daal Fry** (Unverified) - Commit by prajapatihb committed 17 hours ago.
- fix(jeera-rice): corrected the step of garnishing** (Verified) - Commit by harshadbprajapati committed 2 days ago.
- fix(jeera-rice): add step of garnishing** (Verified) - Commit by harshadbprajapati committed 2 days ago.
- fix(jeera-rice): add step of garnishing** (Verified) - Commit by harshadbprajapati committed 2 days ago.
- test(jeera-rice): add test for Jeera Rice** (Verified) - Commit by harshadbprajapati committed 2 days ago.
- feat(jeera-rice): add steps of preparing Jeera Rice** (Verified) - Commit by harshadbprajapati committed 2 days ago.
- Initial commit** (Verified) - Commit by harshadbprajapati committed 2 days ago.

The commits are grouped into two main sections: "All other previous commits" (the first six) and "Initial commit" (the last one). The commits are all verified except for the initial commit.

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

A screenshot of the GitHub repository page for `food-guests`. The repository is public and has 3 branches and 0 tags. The main branch has the following commits:

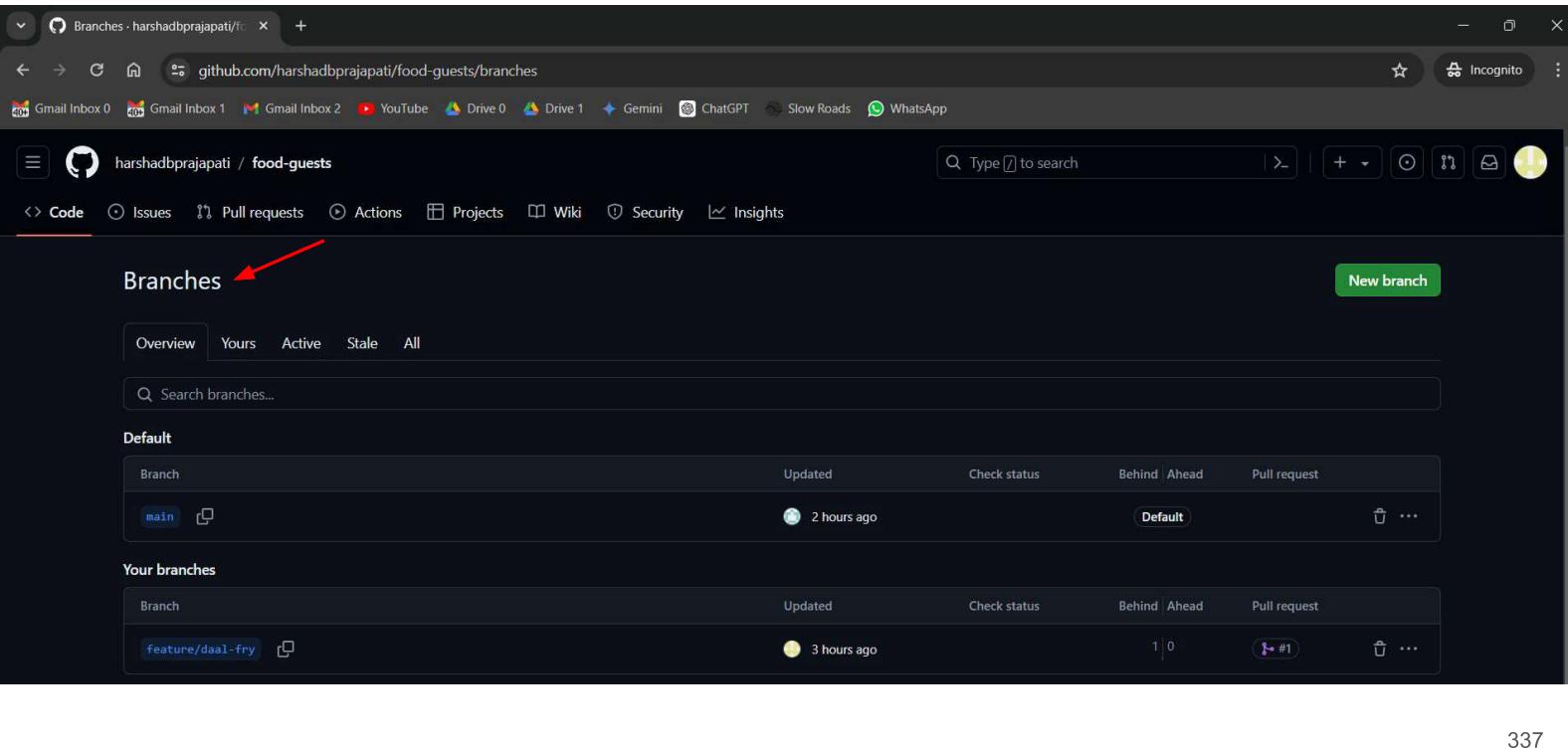
- harshadbprajapati** Merge pull request #1 from harshadbprajapati/feature/daal-fry - b8a746a · 2 hours ago · 11 Commits
- main** fix(daal-fry): add the last step of garnishing - 3 hours ago
- test** test(daal-fry): update spelling : dal -> daal - 3 hours ago
- Readme.md** Initial commit - 2 days ago

The README file contains the following text:

```
#This Project contains recipes for preparing Jeera Rice and Dal Fry.
```

On the right side of the page, there are sections for About, Releases, and Packages, all of which are currently empty.

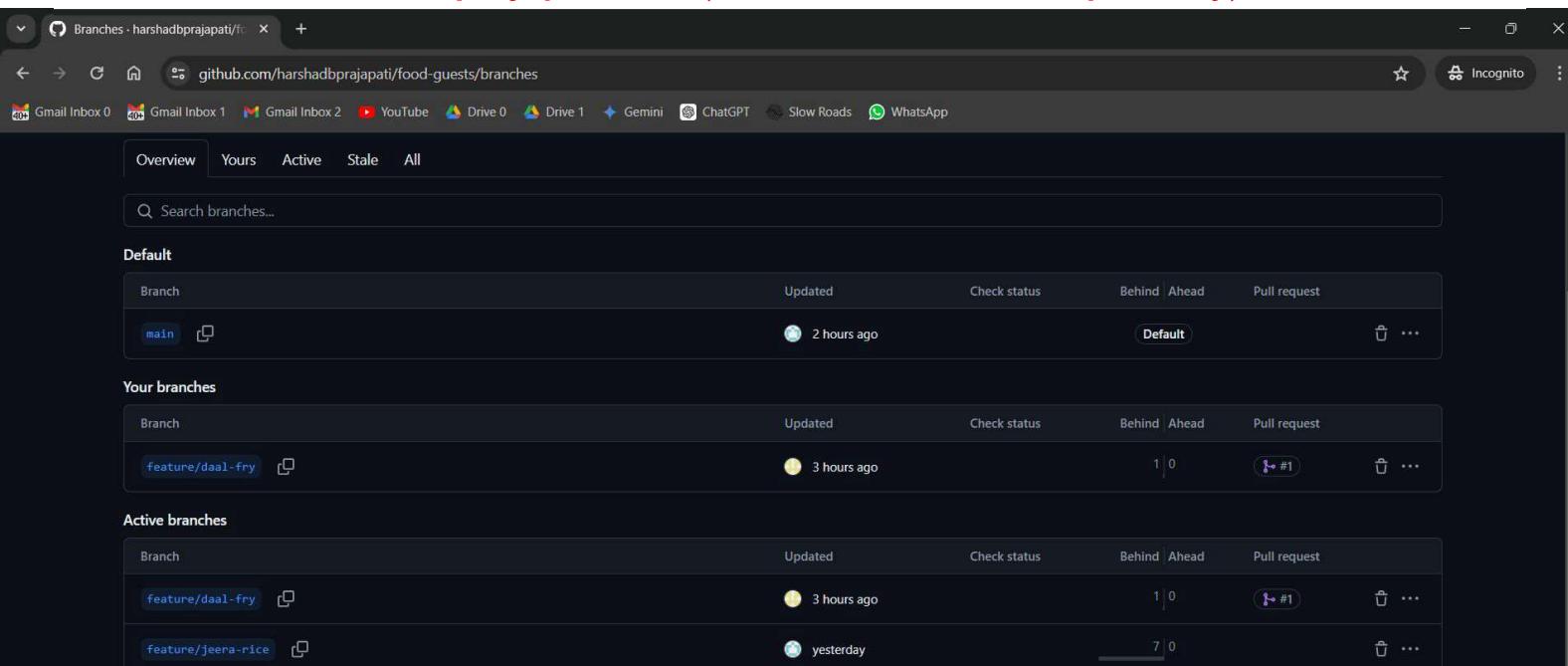
On GitHub.com, user: prajapatihb.it (Collaborator of the repository)



A screenshot of the GitHub branches page for the repository `harshadbprajapati/food-guests`. The URL in the address bar is `github.com/harshadbprajapati/food-guests/branches`. The page shows two sections: **Default** and **Your branches**. In the Default section, there is one branch named `main`, which was updated 2 hours ago. In the Your branches section, there is one branch named `feature/daal-fry`, which was updated 3 hours ago. A red arrow points to the **Branches** tab in the top navigation bar.

337

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)



A screenshot of the GitHub branches page for the repository `harshadbprajapati/food-guests`. The URL in the address bar is `github.com/harshadbprajapati/food-guests/branches`. The page shows three sections: **Default**, **Your branches**, and **Active branches**. In the Default section, there is one branch named `main`, which was updated 2 hours ago. In the Your branches section, there is one branch named `feature/daal-fry`, which was updated 3 hours ago. In the Active branches section, there are two branches: `feature/daal-fry` (updated 3 hours ago) and `feature/jeera-rice` (updated yesterday). A red arrow points to the **Active branches** tab in the top navigation bar.

338

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

Branch	Updated	Check status	Behind	Ahead	Pull request
feature/daal-fry	3 hours ago	Green	1	0	#1

339

On GitHub.com, user: prajapatihb.it (Collaborator of the repository)

How to interpret Behind/Ahead

Branch	Updated	Check status	Behind	Ahead	Pull request
main	2 hours ago	Green	0	0	
feature/daal-fry	3 hours ago	Green	1	0	#1
feature/jeera-ric	yesterday	Green	1	0	

This feature branch is ahead default (main) branch by 0 commit

If any feature branch has ahead count -> those commits are missing in main branch

340

Collaborator Updates His Local Repository

341

Collaborator Needs to Update Local Repository

- The collaborator developed a feature, in the branch feature/daal-fry.
- The collaborator created a PR for this feature.
- This feature has been merged into the main branch, but on remote repository.
- So, the collaborator needs to pull those changes (from remote repository) into his local repository.

342

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git pull --all ←
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), 910 bytes | 455.00 KiB/s, done.
From github.com-profhbp:harshadbprajapati/food-guests
  7583cdc..b8a746a main      -> origin/main
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.

git pull <remote> <branch>
```

Nothing is there related to this branch on the remote repository.

If you wish to set tracking information for this branch you can do so with:

```
git branch --set-upstream-to=origin/<branch> feature/daal-fry
```

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry) 343
```

Checkout main branch

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (feature/daal-fry)
$ git checkout main
Switched to branch 'main'
Your branch is behind 'origin/main' by 5 commits, and can be fast-forwarded.
  (use "git pull" to update your local branch)
```

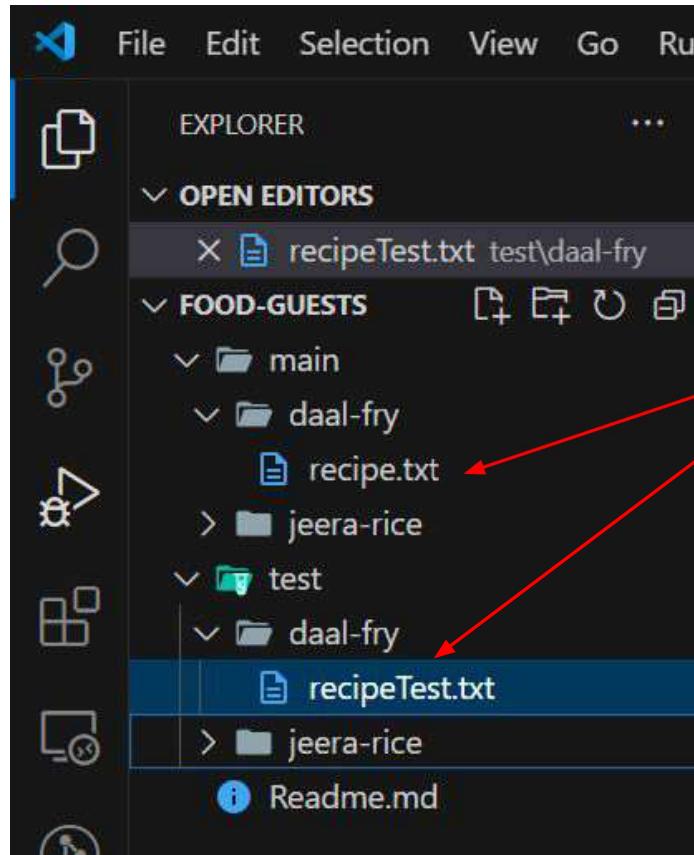
```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
```

```
$ git pull
Updating 7583cdc..b8a746a
Fast-forward
  main/daal-fry/recipe.txt    | 7 ++++++
  test/daal-fry/recipeTest.txt | 2 ++
  2 files changed, 9 insertions(+)
  create mode 100644 main/daal-fry/recipe.txt
  create mode 100644 test/daal-fry/recipeTest.txt
```

Pull the changes from remote main branch into local main branch.

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
```

```
$
```



345

```
main > daal-fry > recipe.txt
You, 3 hours ago | 1 author (You)
1. Wash and soak lentils.
2. Pressure cook lentils with turmeric and salt.
3. In a pan, heat oil and add cumin seeds, garlic, and ginger.
4. Sauté onions until golden brown.
5. Add tomatoes and spices, and cook until oil separates.
6. Add cooked lentils and water, and simmer until desired consistency.
7. Garnish with FRESH coriander leaves. You, 3 hours ago • fix(daal-fry)
```

Content of the source

346

```
recipeTest.txt X
test > daal-fry > recipeTest.txt
You, 3 hours ago | 1 author (You)
1 1. Look: Check the consistency and color of the daal.
2 2. Taste: Taste the daal to ensure it's well-spiced and flavorful.|
```

Content of the test

347

Check git log

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
$ git log --oneline
b8a746a (HEAD -> main, origin/main, origin/HEAD) Merge pull request #1 from harshadbprajapati/feature/daal-fry
5424e46 (origin/feature/daal-fry, feature/daal-fry) test(daal-fry): update spelling : dal -> daal
4ebb271 fix(daal-fry): add the last step of garnishing
0ebabd2 test(daal-fry): add test for Daal Fry
4a46438 feat(daal-fry): add recipe for Daal Fry
7583cdc fix(jeera-rice): corrected the step of garnishing
6b3aa77 (origin/feature/jeera-rice) fix(jeera-rice): add step of garnishing
ad53c61 fix(jeera-rice): add step of garnishing
146f40f test(jeera-rice): add test for Jeera Rice
8b502d8 feat(jeera-rice): add steps of preparing Jeera Rice
fda21f5 Initial commit

itsw2a@DESKTOP-TR1890T MINGW64 ~/projects/devops/phb-team/food-guests (main)
$
```

Developer can start further development with reference to this latest main branch

348

Run gitk to open GUI application

```
C:\Program Files\Windows Ap X + ↴ itsw2a@DESKTOP-TR1890T ~\projects\devops\phb-team\food-guests ↵ main ↵ gitk
```

349

Running gitk

The screenshot shows the gitk application interface with the following details:

- Repository:** food-guests: All files - gitk
- Branch:** main
- Commit History:** A tree view showing commits from Initial commit to Merge pull request #1 from harshadbprajapati/feature/daal-fry.
- Commit Details:** The commit for "Merge pull request #1 from harshadbprajapati/feature/daal-fry" is selected, showing:
 - Author: Harshad Prajapati <harshad.b.prajapati@gmail.com>
 - Committer: GitHub <noreply@github.com> 2024-06-03 11:18:28
 - Parent: 7583cdcb744d3de721555d21ffe61b5fcfd9fa567 (fix(jeera-rice): co)
 - Parent: 5424e468491344fd2f3b69d236ca615d1bdedea3 (test(daal-fry): upd)
 - Follows:
 - Precedes:
- Log Output:** Shows the log message: "Merge pull request #1 from harshadbprajapati/feature/daal-fry" and "New feature of daal fry done".
- Search Bar:** Find: commit containing: SHA1 ID: b8a746a358c5d354e969a4cd5cb5f80d50a7a6f4
- Filter Options:** Diff (radio button selected), Old version, New version, Lines of context: 3, Ignore space chan.
- Comments:** Patch Tree (radio button selected), Comments.
- Bottom Status:** Exact All fields ✓

350

How to Contribute to Open Source Projects?

- Fork repository of open source project (original) on GitHub, using your GitHub user.
- Clone your repository (forked) into Laptop/Desktop, create local repository.
- Do development on Laptop/Desktop.
- Push changes to your repository (forked).
- Create a PULL request from your repository (forked) to the repository of the open source project (original), using your GitHub user.
- Owner of the open source project will handle PR request.
- If your PR gets approved, you would mark yourself as a contributor on the open source project.

351

Interactive Learning Resources (Playgrounds with Gamification)

352

<https://learngitbranching.js.org/>

353

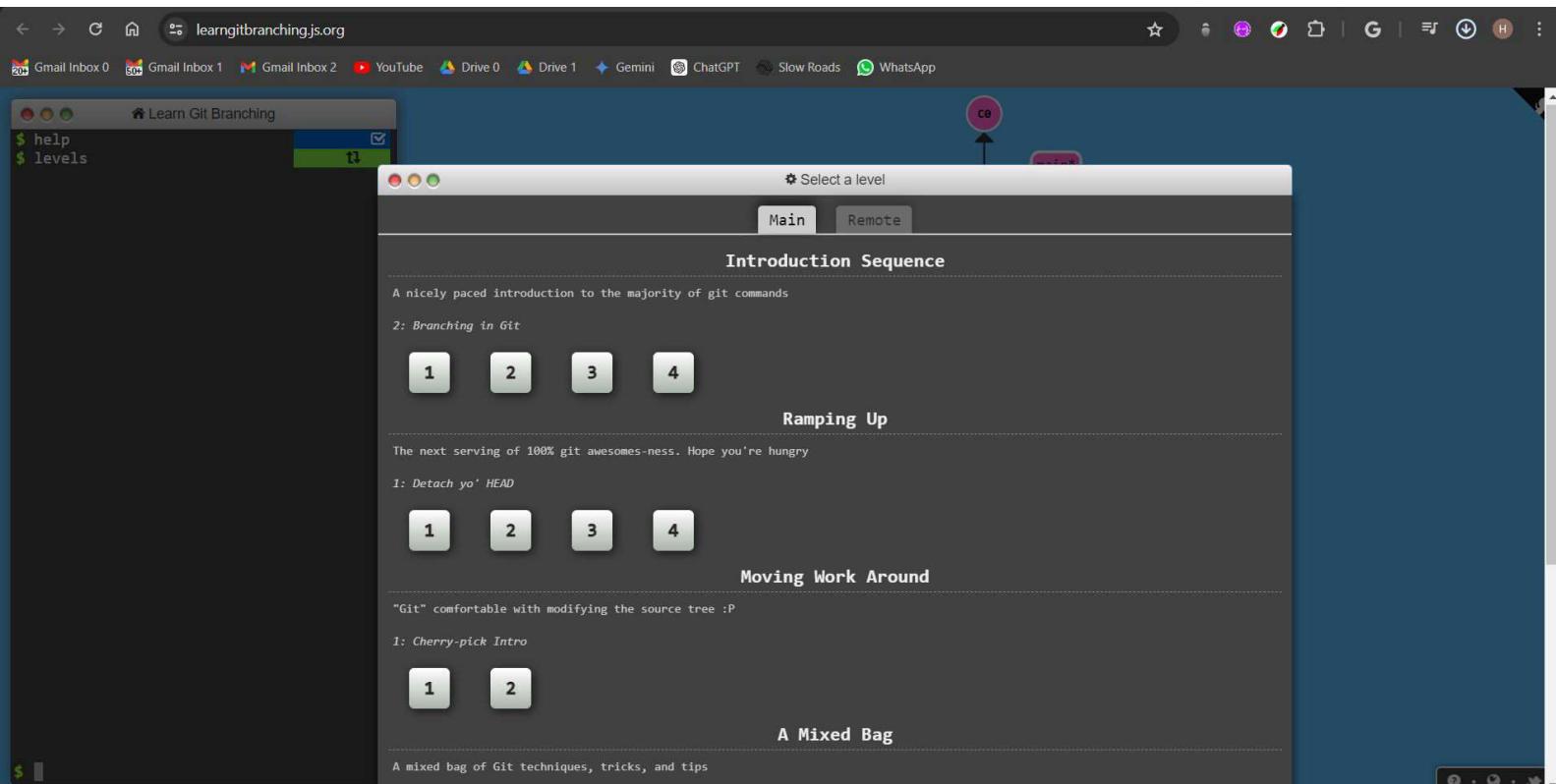


Image Source: <https://learngitbranching.js.org/>

354

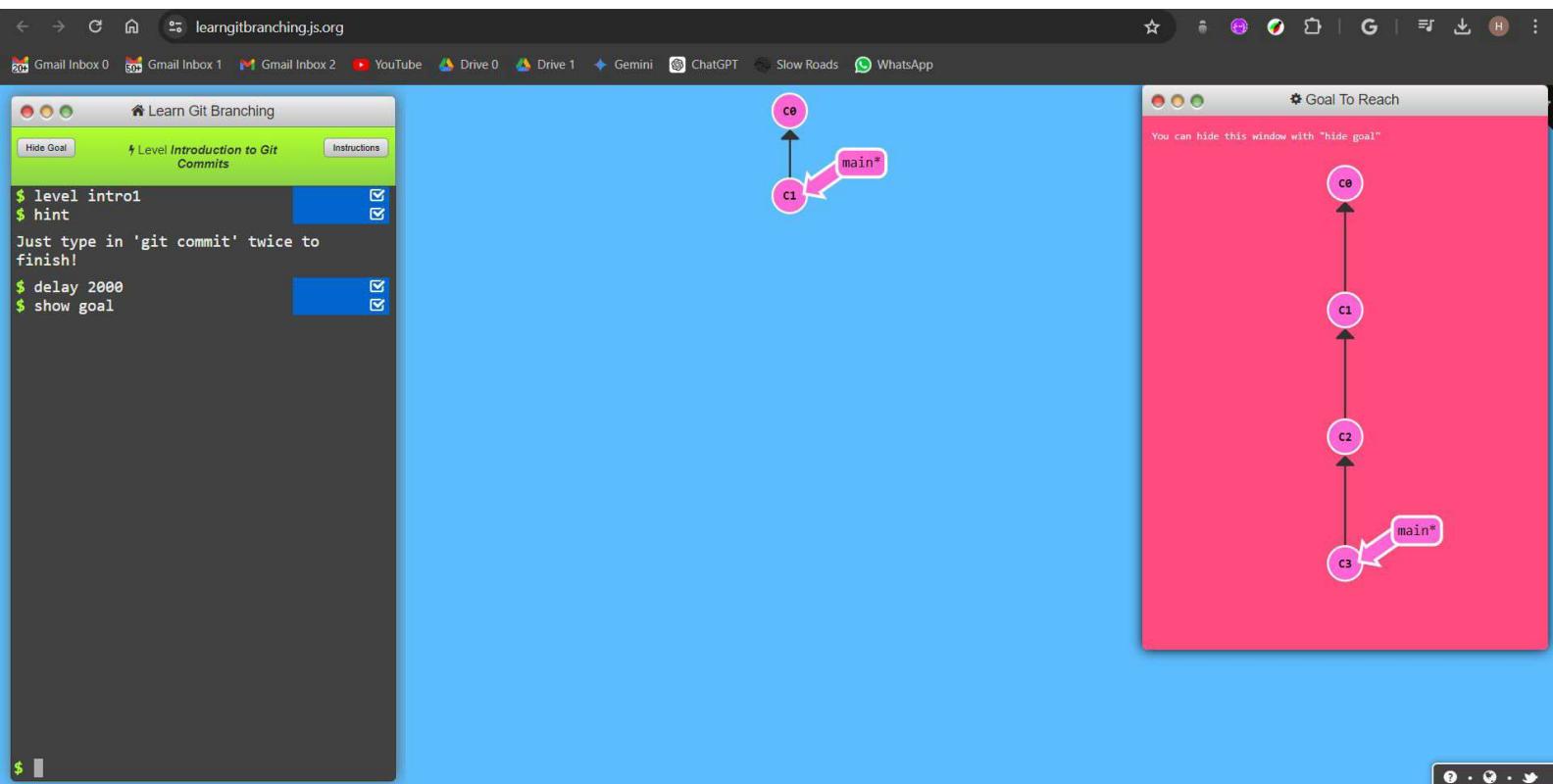


Image Source: <https://learngitbranching.js.org/>

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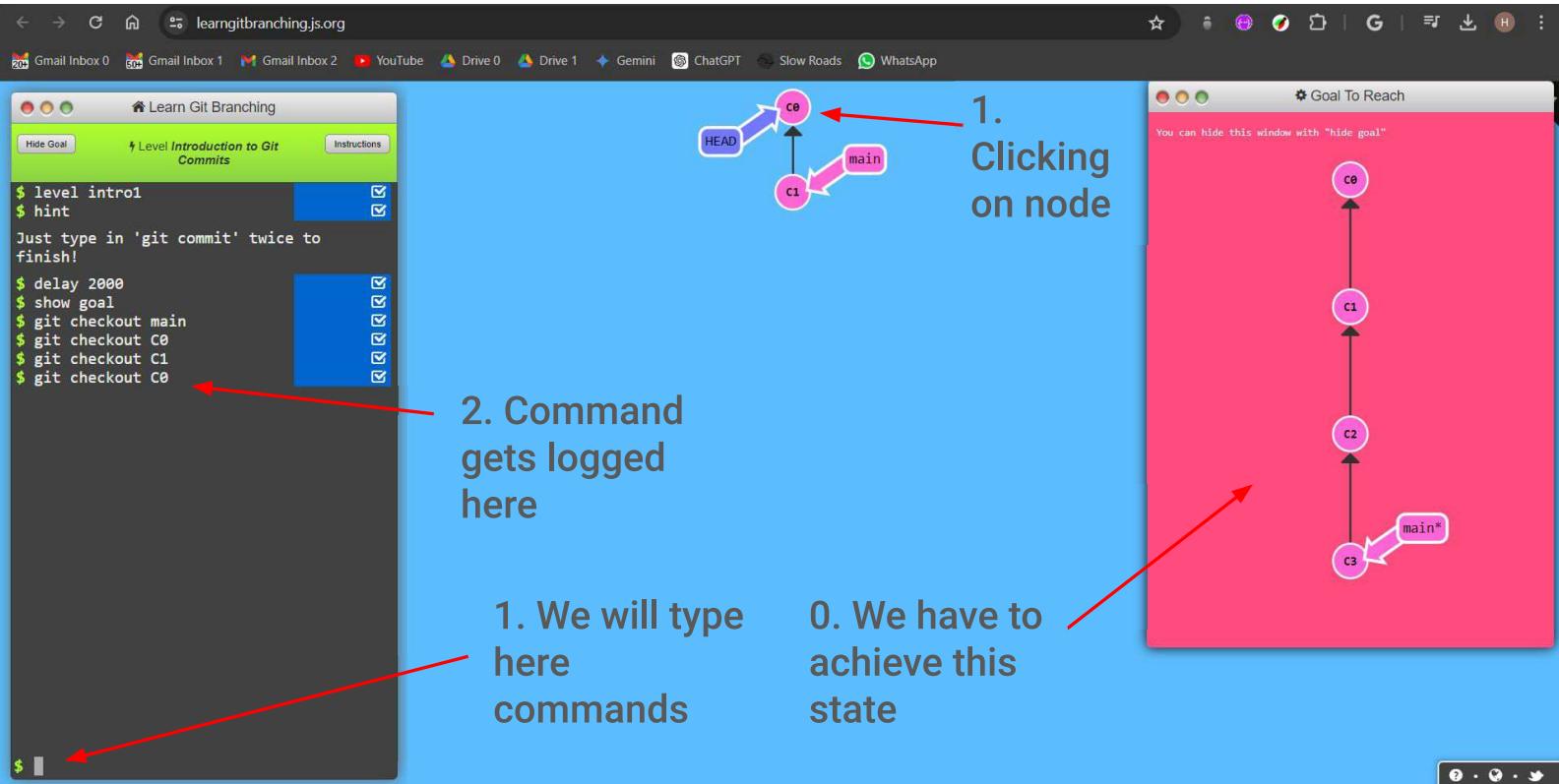


Image Source: <https://learngitbranching.js.org/>

356

The screenshot shows a web-based Git branching tutorial. On the left, a terminal-like interface displays the following commands:

```
$ level intro1  
$ hint  
Just type in 'git commit' twice to finish!  
$ delay 2000  
$ show goal
```

A red arrow points from the text "Type here git commands" to the command line input field at the bottom-left.

In the center, there is a diagram illustrating a Git commit graph. A vertical sequence of three pink circles labeled c0, c1, and c2 represents commits. A horizontal line labeled "main*" connects c1 and c2. A pink arrow points upwards from c1 to c0, and another arrow points upwards from c2 to c0. To the right, a separate window titled "Goal To Reach" shows a similar commit graph with four commits (c0, c1, c2, c3) and a target commit "main*".

Image Source: <https://learngitbranching.js.org/>

357

The screenshot shows the same Git branching tutorial interface. The terminal now displays the command:

```
$ git commit
```

A red arrow points from the text "We have to create a new commit C2, so type here the following git command git commit" to the command line input field at the bottom-left.

In the center, the commit graph diagram remains the same, showing commits c0, c1, c2, and c3. The "main*" branch is still connected to c1 and c2. The "Goal To Reach" window on the right also shows the same commit graph with four commits and a target commit "main*".

Image Source: <https://learngitbranching.js.org/>

358

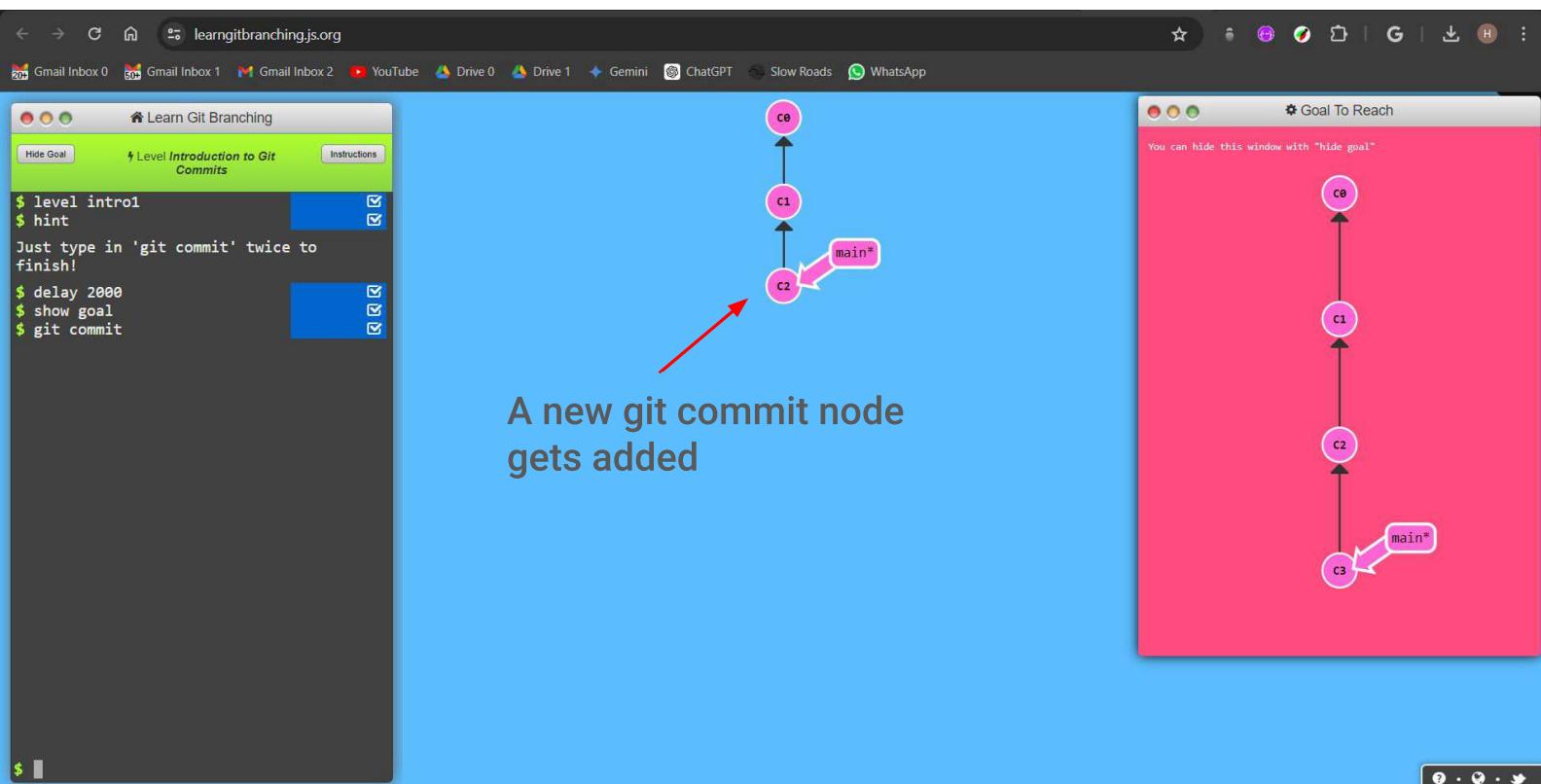


Image Source: <https://learngitbranching.js.org/>

359

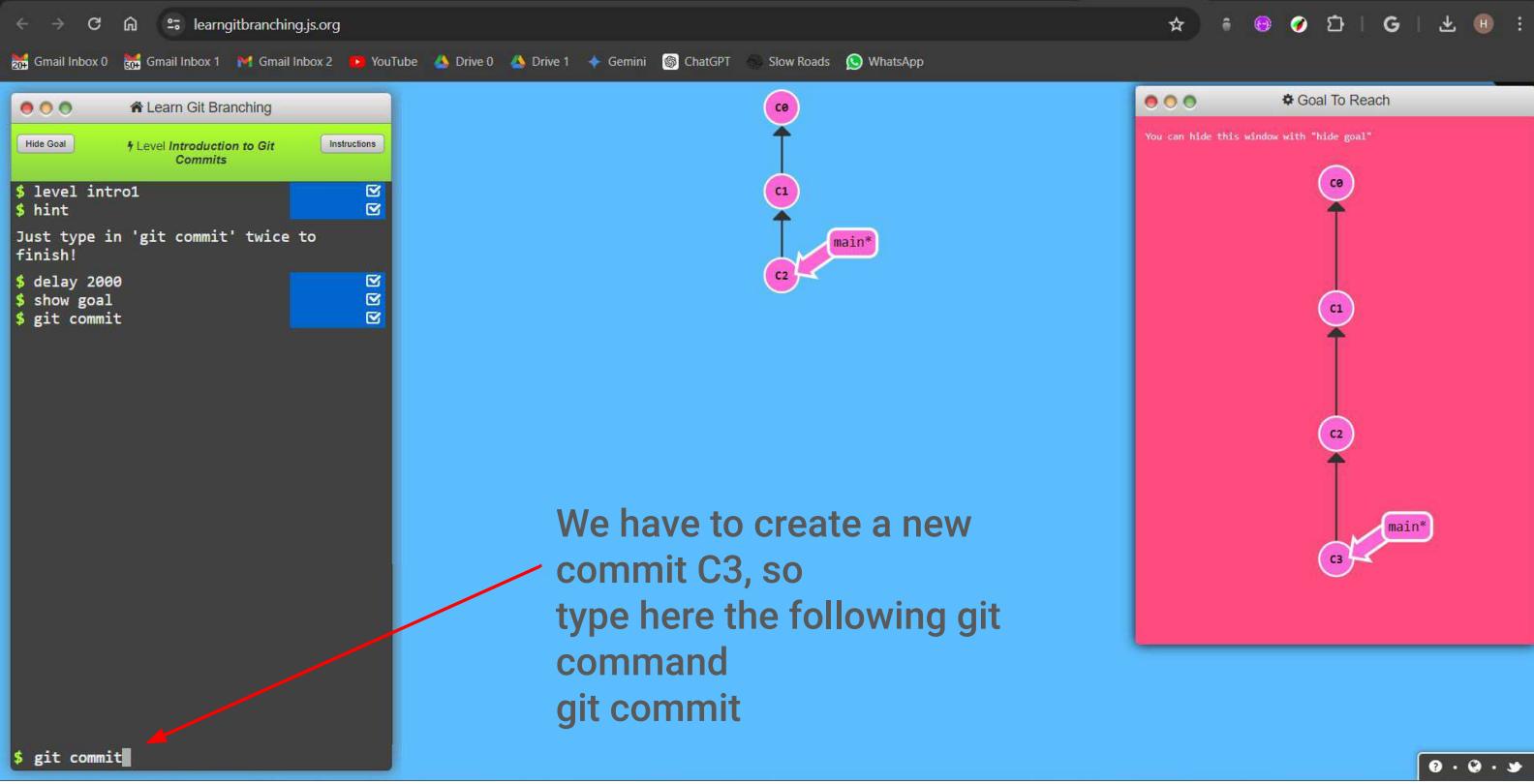


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360

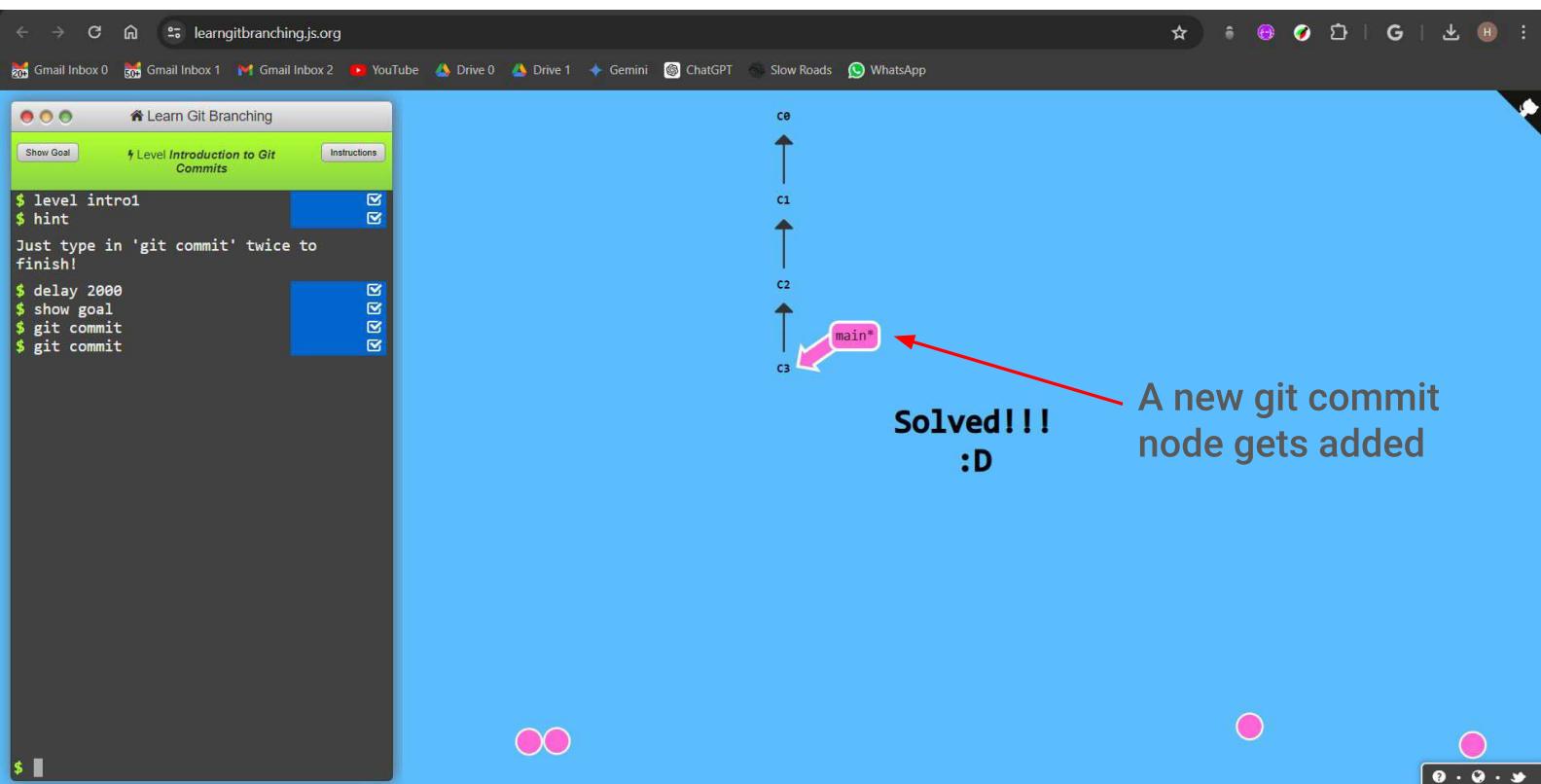


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361

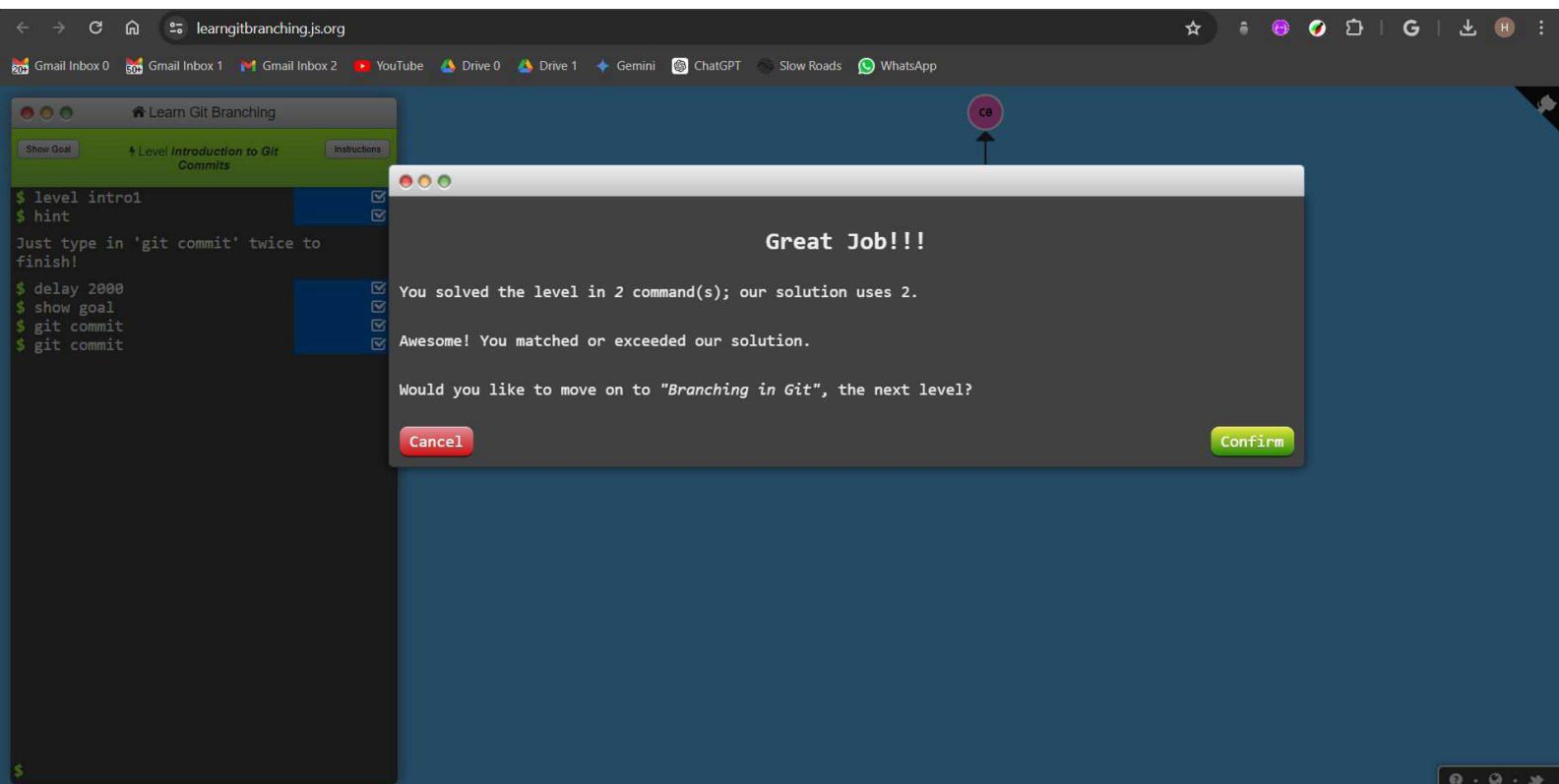


Image Source: <https://learngitbranching.js.org/>

362

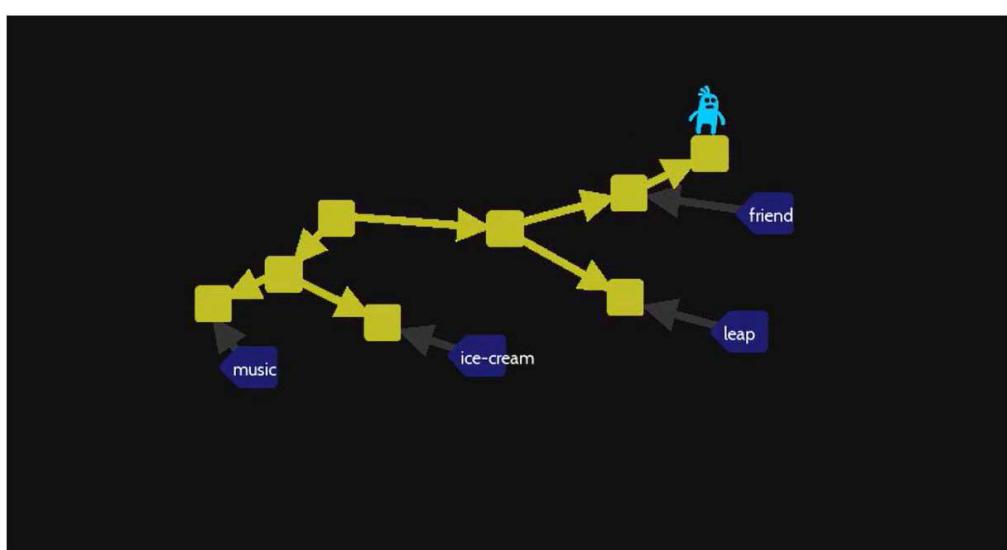
<https://ohmygit.org/>

363



Features

Oh My Git! visualizes the internal structures of Git repositories in realtime. The player can immediately see the results of their actions:



To accommodate people who are new to Git, the game features a custom-designed **playing card interface**! The

blinny.itch.io/oh-my-git

To run the game, extract the zip, and then double-click the file called "oh-my-git", or, alternatively, run the game from the terminal with `./oh-my-git` inside the game directory.

Prompted for network access?

The game might prompt you to allow network access. This is a result of how it's implemented, and it's safe to decline.

[More information](#)

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365

References

- <https://training.github.com/downloads/github-git-cheat-sheet.pdf>
- <https://docs.github.com/en/authentication/connecting-to-github-with-ssh/about-ssh>
- <https://www.ayyaztech.com/blog/how-to-use-multiple-github-accounts-on-the-same-machine>
- <https://gist.github.com/alejandro-martin/aabe88cf15871121e076f66b65306610>

366

Thank You