

Git

Version Control System is a tools that helps to track changes in code

Git is a **Version Control System**. It is :

popular

free & Open Source

fast & scalable



▶ ▶ ⏪ 2:28 / 1:15:21

Github

Website that allows developers to store and manage their code using Git.

Folder (Repository)

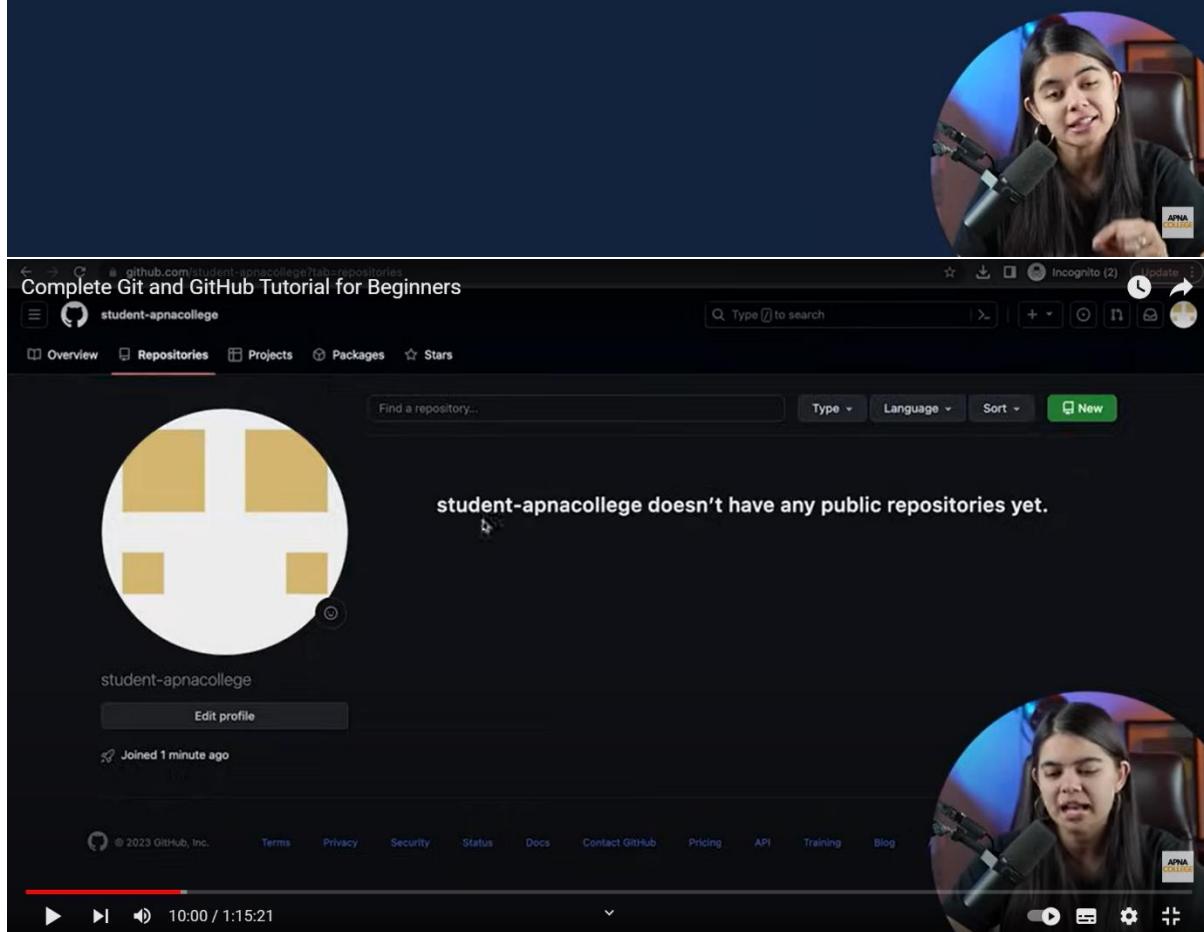
<https://github.com>



▶ ▶ ⏪ 7:15 / 1:15:21

Github Account

- Create a new repository : apnacollege-demo
- Make our first commit



Complete Git and GitHub Tutorial for Beginners

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 * student-apnacollege / Repository name * apnacollege-demo apnacollege-demo is available.

Great repository names are short and memorable. Need inspiration? How about friendly-waffle ?

Description (optional)

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

10:14 / 1:15:21

github.com/new

Incognito (2) Update

Type to search

APNA COLLEGE

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 * student-apnacollege / Repository name * apnacollege-demo apnacollege-demo is available.

Great repository names are short and memorable. Need inspiration? How about friendly-waffle ?

Description (optional)

This is my first Git Repository.

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

APNA COLLEGE

The screenshot shows a GitHub repository page for 'apnacollege-demo'. The repository has 1 branch and 0 tags. The main commit is 'student-apnacollege Initial commit' made 1 minute ago. The README.md file contains the text 'This is my first Git Repository.' The repository has 0 stars, 1 watching, and 0 forks. There are no releases or packages published. A circular profile picture of a person with long dark hair is displayed on the right.

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

apnacollege-demo Public

main 1 branch 0 tags Go to file Add file Code

student-apnacollege Initial commit f2adfc6 1 minute ago 1 commit

README.md Initial commit 1 minute ago

README.md

apnacollege-demo

This is my first Git Repository.

About

This is my first Git Repository.

Readme Activity 0 stars 1 watching 0 forks

Releases

No releases published Create a new release

Packages

No packages Publish your

© 2023 GitHub, Inc. Terms Privacy Security Status Docs Contact GitHub Pricing API Training Blog About

Complete Git and GitHub Tutorial for Beginners

The video player shows a recording of the same GitHub repository page. The video controls at the bottom indicate it is at 13:55 / 1:15:21ms. The video content is identical to the static screenshot above.

The image shows a video player interface with two stacked frames. The top frame displays a GitHub repository page for 'student-apnacollege/apnacollege-demo'. The user is editing the 'README.md' file, which contains the following content:

```
1 # apnacollege-demo
2 This is my first Git Repository.
3 Author - Shradha Khapra
```

The bottom frame shows a 'Commit changes' dialog box. The 'Commit message' field contains 'Update README.md'. The 'Extended description' field has a placeholder 'Add an optional extended description..'. Below the fields are two radio button options: 'Commit directly to the main branch' (selected) and 'Create a new branch for this commit and start a pull request'. A link 'Learn more about pull requests' is visible. At the bottom of the dialog are 'Cancel' and 'Commit changes' buttons.

Complete Git and GitHub Tutorial for Beginners

apnacollege-demo

This is my first Git Repository.

Author - Shradha Khapra

Commit changes

Commit message

Add next Line

Extended description

Add an optional extended description..

Commit directly to the main branch

Create a new branch for this commit and start a pull request

Learn more about pull requests

Cancel Commit changes

The screenshot shows a GitHub repository page for 'apnacollege-demo'. The repository has 1 branch and 0 tags. The README.md file contains the text: 'This is my first Git Repository.' and 'Author - Shradha Khapra'. The repository has 3 commits, the latest being 'Add next Line' by 'student-apnacollege' at 'e721817 now'. The repository has 0 stars, 1 watching, and 0 forks. There are sections for About, Releases, and Packages. A video player at the bottom indicates the video is at 16:00 / 1:15:21.

Setting up Git

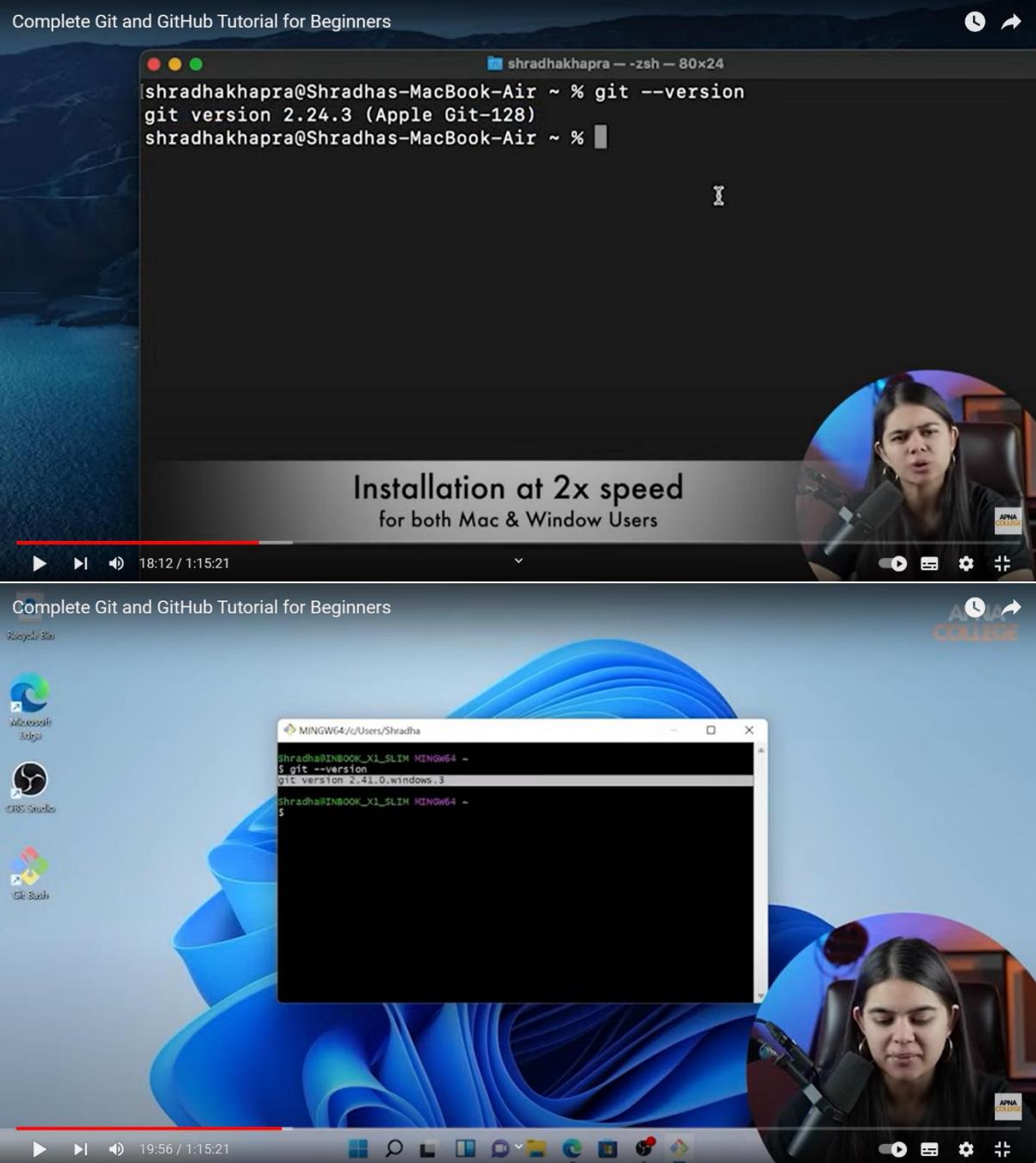
Visual Studio Code

Windows (Git Bash)

Mac (Terminal)

git --version



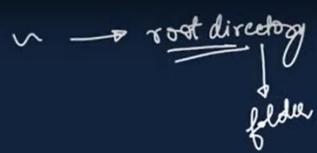


Configuring Git

```
git config --global user.name "My Name"
```

```
git config --global user.email "someone@email.com"
```

```
git config --list
```

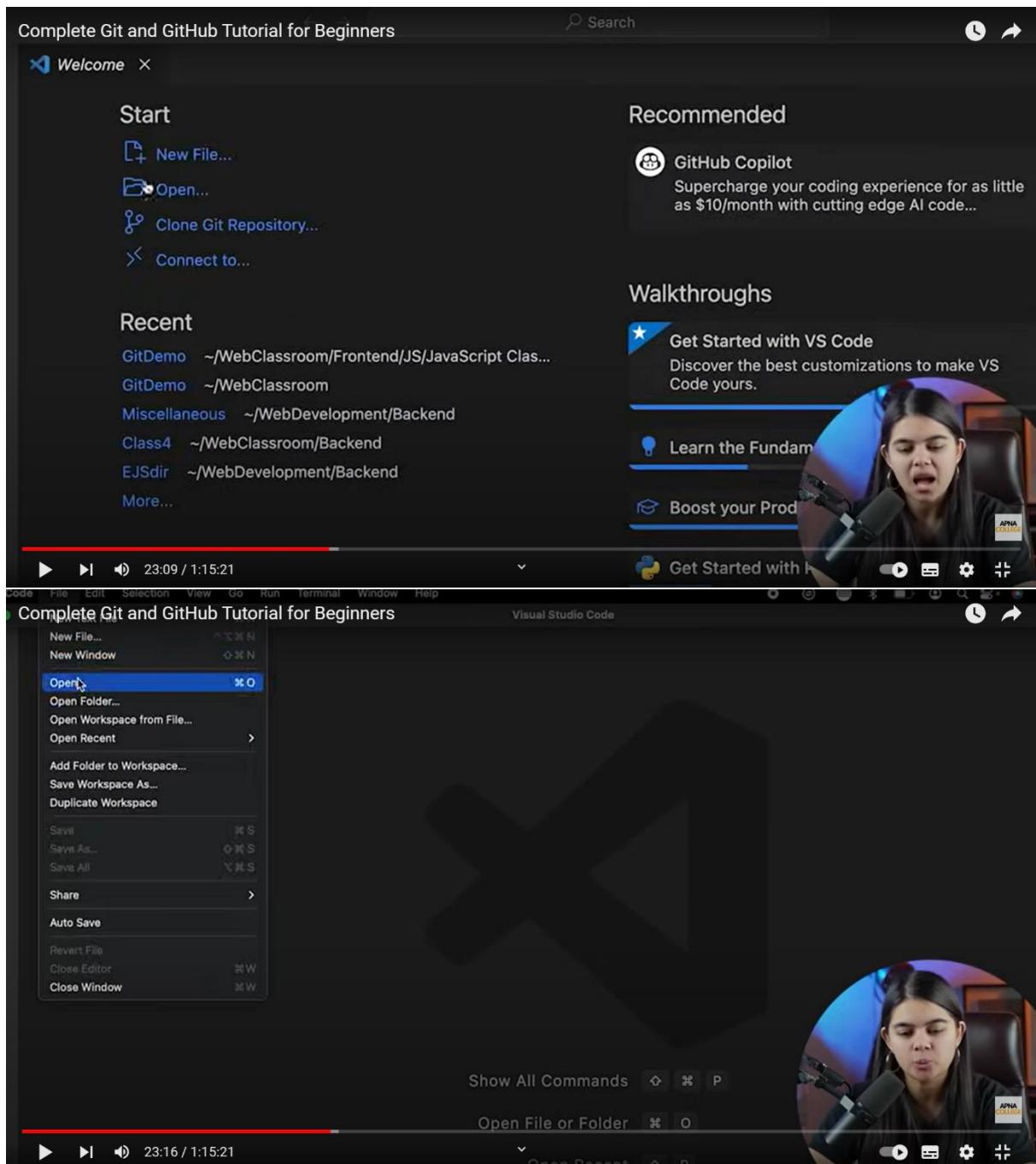


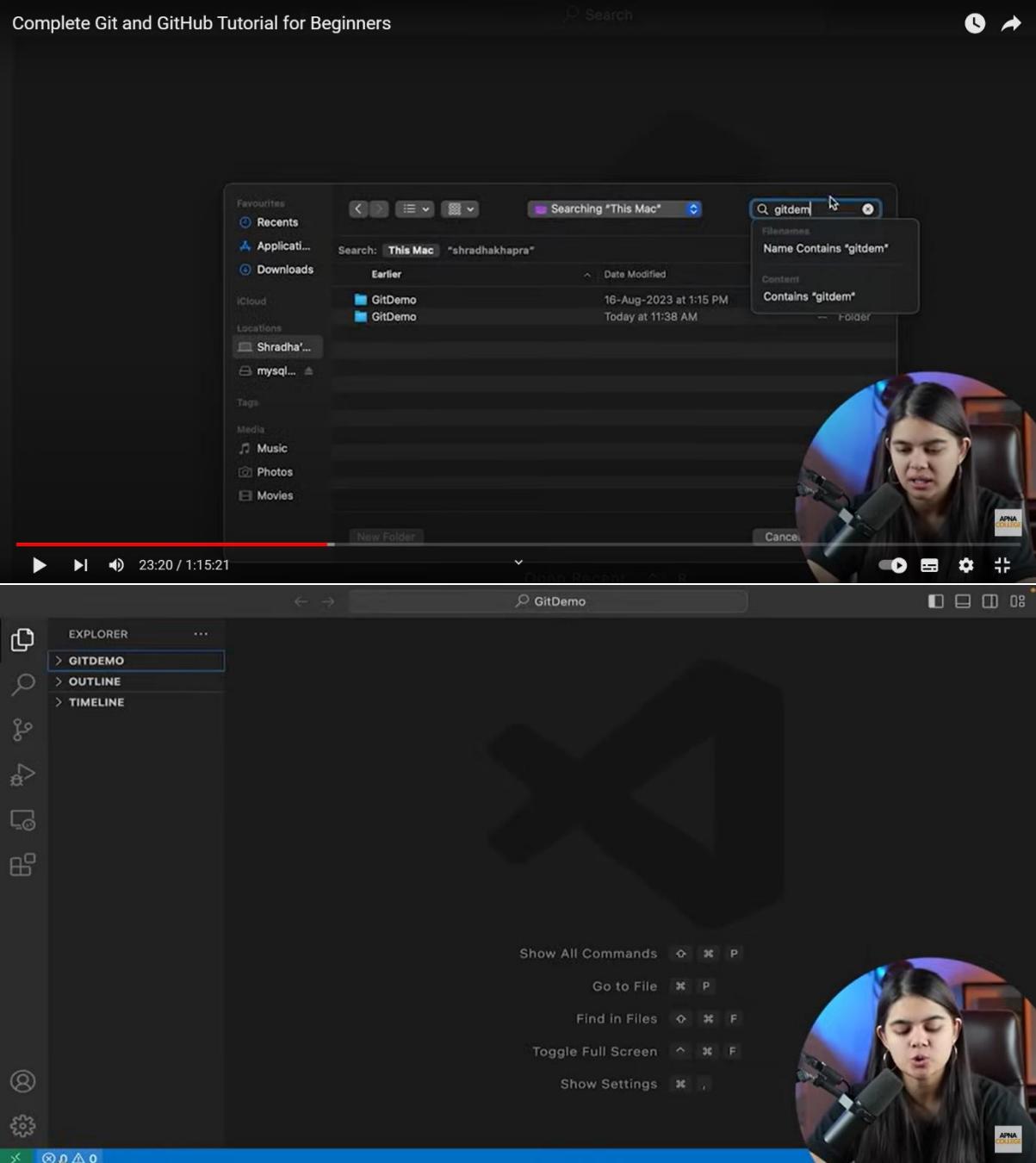
▶ ▶ ⏪ 21:32 / 1:15:21

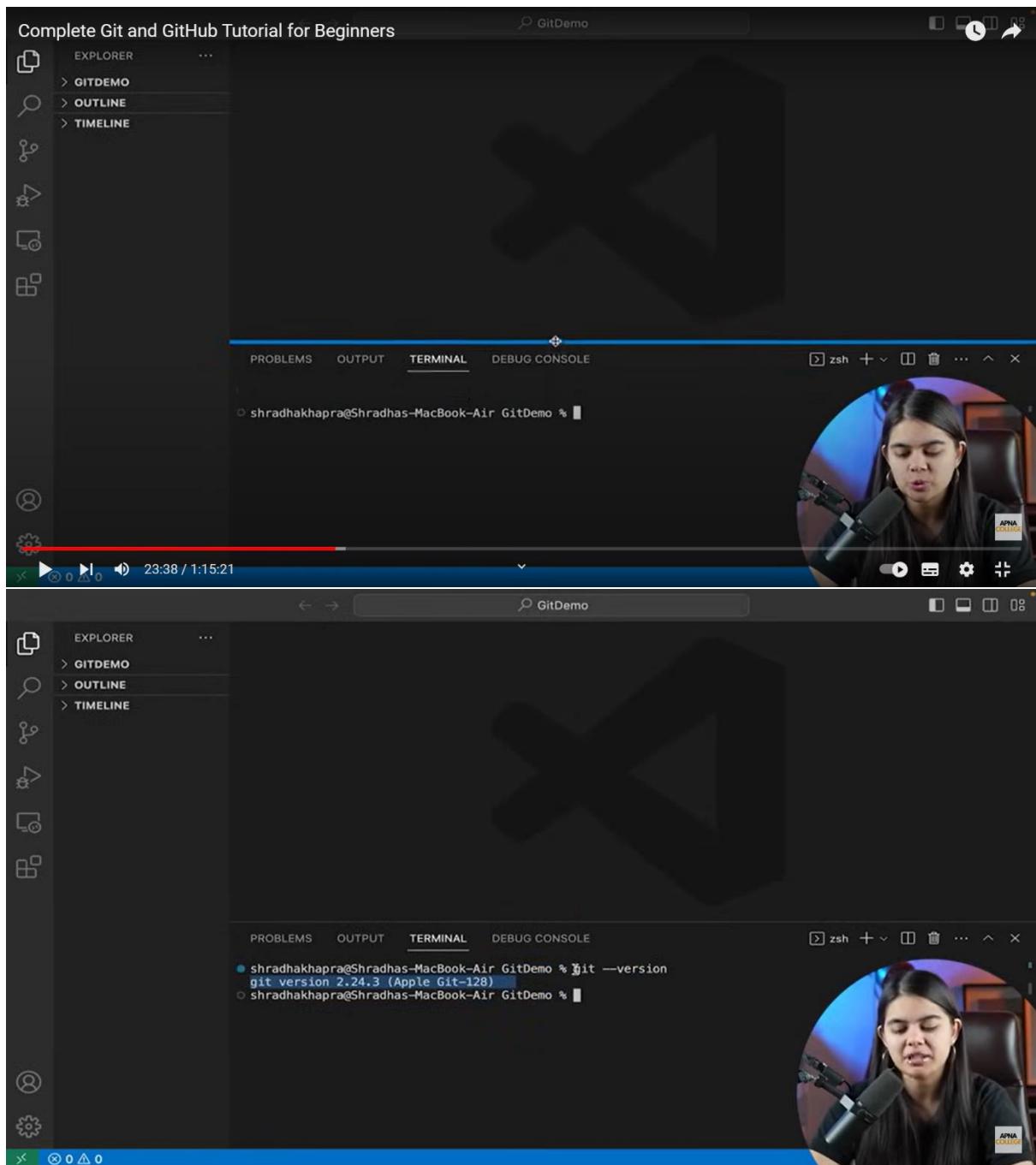
shradhakhapra ~ zsh - 80x24

```
shradhakhapra@Shradhas-MacBook-Air ~ % git config --global user.name "Student ApnaCollege"
shradhakhapra@Shradhas-MacBook-Air ~ % git config --global user.email "student@apnacollege.in"
shradhakhapra@Shradhas-MacBook-Air ~ % git config --list
credential.helper=osxkeychain
user.name=Student ApnaCollege
user.email=student@apnacollege.in
shradhakhapra@Shradhas-MacBook-Air ~ %
```

▶ ▶ ⏪ 22:50 / 1:15:21







Complete Git and GitHub Tutorial for Beginners

Clone & Status

Clone - Cloning a repository on our local machine

```
git clone <- some link ->
```

status - displays the state of the code

```
git status
```

24:35 / 1:15:21

student-apnacollege / apnacollege-demo

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

apnacollege-demo Public

main 1 branch 0 tags

student-apnacollege Add next Line

README.md Add next Line

README.md

apnacollege-demo

This is my first Git Repository.
Author - Shraddha Khapra

Local Codespaces (New)

Clone

HTTPS SSH GitHub CLI (New)

https://github.com/student-apnacollege/apnacollege-demo

Use Git or checkout with SVN using the web URL.

Open with GitHub Desktop

Download ZIP

About

This is my first Git Repository.

Readme Activity 0 stars 1 watching 0 forks

Releases

No releases published Create a new release

Packages

No packages Publish your

24:49 / 1:15:21

Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER

GITDEMO
apnacollege-demo

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh +

```
shradhakhapra@Shradhas-MacBook-Air GitDemo % git clone https://github.com/student-a/demo.git
Cloning into 'apnacollege-demo'...
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 9 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (9/9), done.
shradhakhapra@Shradhas-MacBook-Air GitDemo %
```

25:24 / 1:15:21

OUTLINE TIMELINE

Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER

GITDEMO
apnacollege-demo
README.md

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh +

```
shradhakhapra@Shradhas-MacBook-Air GitDemo % git clone https://github.com/student-a/demo.git
Cloning into 'apnacollege-demo'...
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 9 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (9/9), done.
shradhakhapra@Shradhas-MacBook-Air GitDemo %
```

25:32 / 1:15:21

OUTLINE TIMELINE



Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER ...

GITDEMO

apnacollege-demo

README.md

README.md

① README.md ×

apnacollege-demo > ① README.md > # apnacollege-demo

```
1 # apnacollege-demo
2 This is my first Git Repository.
3 <br>
4 Author - Shradha Khapra
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh +

● shradhakhapra@Shradhas-MacBook-Air GitDemo % git clone https://github.com/student-a...
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 9 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (9/9), done.
○ shradhakhapra@Shradhas-MacBook-Air GitDemo %

OUTLINE TIMELINE

EXPLORER ...

GITDEMO

apnacollege-demo

README.md

README.md

① README.md ×

apnacollege-demo > ① README.md > # apnacollege-demo

```
1 # apnacollege-demo
2 This is my first Git Repository.
3 <br>
4 Author - Shradha Khapra
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - apnacollege-demo +

● shradhakhapra@Shradhas-MacBook-Air GitDemo % git clone https://github.com/student-a...
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 9 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (9/9), done.
● shradhakhapra@Shradhas-MacBook-Air GitDemo % cd apnacollege-demo
○ shradhakhapra@Shradhas-MacBook-Air apnacollege-demo %

OUTLINE TIMELINE

26:41 / 1:15:21

Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER ⋮ README.md ×

GITDEMO

apnacollege-demo

① README.md

apnacollege-demo > ① README.md > # apnacollege-demo

1 # apnacollege-demo
2 This is my first Git Repository.
3

4 Author - Shradha Khapra
5

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - apnacollege-demo

- shradhakhapra@Shradhas-MacBook-Air apnacollege-demo % ls README.md
- shradhakhapra@Shradhas-MacBook-Air apnacollege-demo % ls -a . .git README.md
- shradhakhapra@Shradhas-MacBook-Air apnacollege-demo % █

APNA

▶ > OUTLINE ⏴ 28:00 / 1:15:21 ⏴ TIMELINE

Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER ... README.md M

GITDEMO apnacollege-demo > README.md # apnacollege-demo

1 # apnacollege-demo
2
3 This is my first Git Repository.
4
5 Author - Shradha (Apna College)

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE zsh - apnacollege-demo

- shradhakhapra@Shradhas-MacBook-Air apnacollege-demo % git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
- shradhakhapra@Shradhas-MacBook-Air apnacollege-demo % git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
modified: README.md

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

shradhakhapra@Shradhas-MacBook-Air apnacollege-demo %



APNA COLLEGE

Complete Git and GitHub Tutorial for Beginners

untracked

new files that git doesn't yet track

modified

changed

staged

file is ready to be committed

unmodified

unchanged



▶ ▶ ⏪ 32:20 / 1:15:21

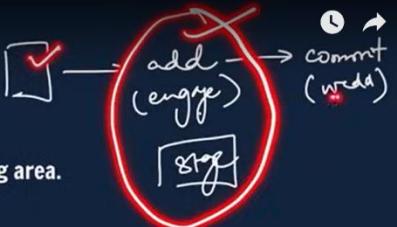
▶ 🔍 ⚙️

Complete Git and GitHub Tutorial for Beginners

Add & Commit

add - adds new or changed files in your working directory to the Git staging area.

`git add <- file name ->`



commit - it is the record of change

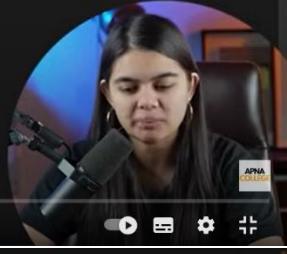
`git commit -m "some message"`



▶ ▶ ⏪ 33:10 / 1:15:21

▶ 🔍 ⚙️

Complete Git and GitHub Tutorial for Beginners



GitDemo

EXPLORER ...

GITDEMO

apnacollege-d... ●

index.html A

README.md M

① README.md × ② index.html A

apnacollege-demo > ① README.md > # apnacollege-demo

```
1 # apnacollege-demo
2
3 This is my first Git Repository.
4 <br>
5 Author - Shradha (Apna College)
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - apnacollege-demo +

```
● shradhakhapra@Shradhas-MacBook-Air apnacollege-demo % git add index.html
● shradhakhapra@Shradhas-MacBook-Air apnacollege-demo % git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:  index.html

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified: README.md

● shradhakhapra@Shradhas-MacBook-Air apnacollege-demo %
```

OUTLINE TIMELINE 33:43 / 1:15:21



Complete Git and GitHub Tutorial for Beginners



GitDemo

EXPLORER ...

GITDEMO

apnacollege-d... ●

index.html A

README.md M

① README.md × ② index.html A

apnacollege-demo > ① README.md > # apnacollege-demo

```
1 # apnacollege-demo
2
3 This is my first Git Repository.
4 <br>
5 Author - Shradha (Apna College)
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

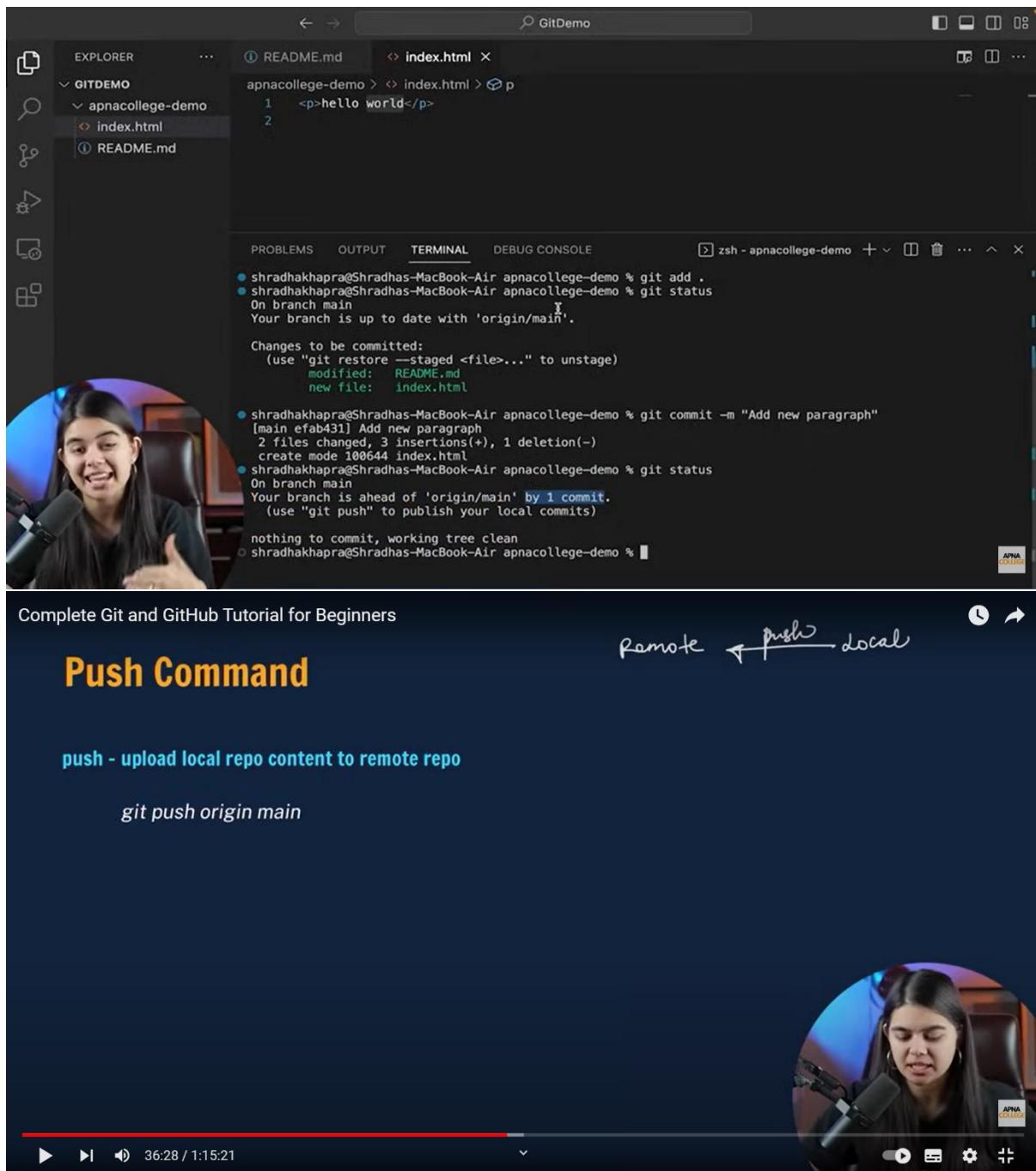
zsh - apnacollege-demo +

```
● shradhakhapra@Shradhas-MacBook-Air apnacollege-demo % git add .
● shradhakhapra@Shradhas-MacBook-Air apnacollege-demo % git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified: README.md
    new file: index.html

● shradhakhapra@Shradhas-MacBook-Air apnacollege-demo %
```

OUTLINE TIMELINE 34:08 / 1:15:21



The image shows a composite screenshot of a video recording. The top half displays a dark-themed code editor interface with a terminal window. The terminal shows the command `git push origin main` being run, with output indicating the push was successful to a repository named `apnacollege-demo`. The bottom half shows a web browser displaying the GitHub repository page for `apnacollege-demo`. The repository has 1 branch and 0 tags. The README.md file contains the text "This is my first Git Repository." and "Author - Shraddha (Apna College)". The GitHub interface includes standard navigation links like Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. On the right side of the GitHub page, there is a circular video overlay of a person speaking into a microphone, likely the host of the tutorial. The video player at the bottom indicates the video is at 37:25 of 1:15:21.

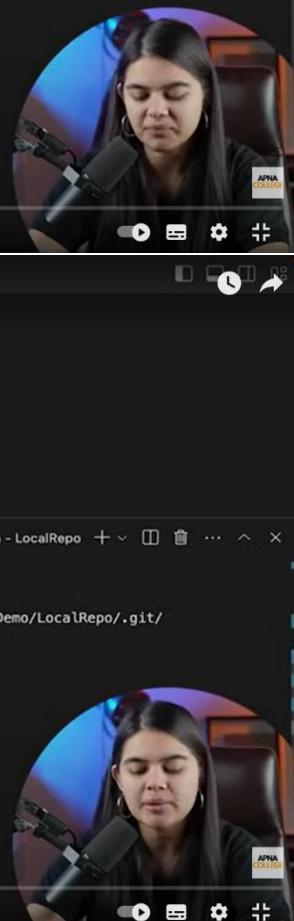
The screenshot shows a video player interface with a dark theme. At the top, there's a browser window displaying a GitHub repository named 'student-apnacollege / apnacollege-demo'. The 'Commits' tab is selected, showing a list of recent commits on the 'main' branch. The commits are:

- Add new paragraph
- Add next Line
- Update README.md
- Initial commit

Each commit includes a small profile picture, the author's name, the commit message, the timestamp, and a copy icon. Below the commits, there are 'Newer' and 'Older' buttons. The video player has a progress bar at the bottom indicating it's at 37:41 of a 1:15:21 long video.

The main content area of the video player features a title 'Complete Git and GitHub Tutorial for Beginners' and a section titled 'Push Command'. Below this, a subtitle reads 'push - upload local repo content to remote repo'. A hand-drawn diagram illustrates the process: 'remote' is at the top, 'local' is at the bottom, and a horizontal arrow labeled 'push' points from remote to local. A vertical arrow labeled 'default' points from local down to a red circle around the word 'origin' in the command 'git push origin main'. Another red arrow points from this circle to the text 'github repo'.

At the bottom of the video player, there's another progress bar showing 38:34 of the same duration.



Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - LocalRepo

git push origin main

```
shradhakhapra@Shradhas-MacBook-Air apnacollege-demo % git push origin main
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 401 bytes | 401.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0)
To https://github.com/student-apnacollege/apnacollege-demo.git
 e721017..efab431 main -> main
shradhakhapra@Shradhas-MacBook-Air apnacollege-demo % cd ..
shradhakhapra@Shradhas-MacBook-Air GitDemo % mkdir LocalRepo
shradhakhapra@Shradhas-MacBook-Air GitDemo % cd LocalRepo
shradhakhapra@Shradhas-MacBook-Air LocalRepo %
```

OUTLINE TIMELINE

40:31 / 1:15:21

Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

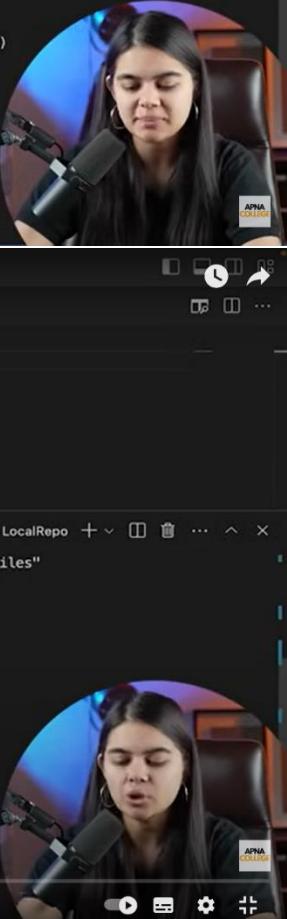
zsh - LocalRepo

git init

```
shradhakhapra@Shradhas-MacBook-Air LocalRepo % ls -a
.
..
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git init
Initialized empty Git repository in /Users/shradhakhapra/WebClassroom/GitDemo/LocalRepo/.git/
shradhakhapra@Shradhas-MacBook-Air LocalRepo % ls -a
.
..
.git
shradhakhapra@Shradhas-MacBook-Air LocalRepo % clear
```

OUTLINE TIMELINE

41:06 / 1:15:21



The image shows two screenshots of a video player interface, likely from a YouTube video, demonstrating a Git tutorial. The video frame on the right shows a woman with long dark hair, wearing a black t-shirt with the "APNA COLLEGE" logo, speaking into a black microphone. The video player has a circular progress bar at the bottom.

Screenshot 1:

- Explorer:** Shows a folder structure under "GITDEMO".
 - "apnacollege-demo"
 - "LocalRepo"
 - "index.html" (marked with a green checkmark)
 - "style.css" (marked with a green checkmark)
- Terminal:** Displays the following git commands and output:
 - shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
 - On branch master
 - No commits yet
 - Untracked files:
 - (use "git add <file>..." to include in what will be committed)
 - index.html
 - style.css
 - nothing added to commit but untracked files present (use "git add" to track)
 - shradhakapra@Shradhas-MacBook-Air LocalRepo % git add .
 - shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
 - On branch master
 - No commits yet
 - Changes to be committed:
 - (use "git rm --cached <file>..." to unstage)
 - new file: index.html
 - new file: style.css
 - shradhakapra@Shradhas-MacBook-Air LocalRepo %

Screenshot 2:

- Explorer:** Same folder structure as Screenshot 1.
- Terminal:** Displays the following git commands and output:
 - shradhakapra@Shradhas-MacBook-Air LocalRepo % git commit -m "Add Initial Files"
 - [master (root-commit) 44e1cf4] Add Initial Files
 - 2 files changed, 4 insertions(+)
 - create mode 100644 index.html
 - create mode 100644 style.css
 - shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
 - On branch master
 - nothing to commit, working tree clean
 - shradhakapra@Shradhas-MacBook-Air LocalRepo % clear

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 * student-apnacollege **Repository name ***

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

Description (optional)

Visibility 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.

Complete Git and GitHub Tutorial for Beginners

Set up GitHub Copilot Use GitHub's AI pair programmer to autocomplete suggestions as you code. Get started with GitHub Copilot

Add collaborators to this repository Search for people using their GitHub username or email address. Invite collaborators

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

Set up in Desktop or HTTPS SSH <https://github.com/student-apnacollege/localrepo.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 "# localrepo" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/student-apnacollege/localrepo.git
git push -u origin main
```

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

```
git remote add origin https://github.com/student-apnacollege/localrepo.git
git branch -M main
git push -u origin main
```

...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.



Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER ... index.html

GITDEMO

 apnacollege-demo

 LocalRepo

 index.html

 style.css

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - LocalRepo

```
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git remote add origin https://github.com/student-apnacollege/localrepo.git
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git remote -v
origin https://github.com/student-apnacollege/localrepo.git (fetch)
origin https://github.com/student-apnacollege/localrepo.git (push)
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git branch
* master
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git branch -M main
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git branch
* main
shradhakhapra@Shradhas-MacBook-Air LocalRepo %
```

OUTLINE TIMELINE 46:45 / 1:15:21

Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER ... index.html

GITDEMO

 apnacollege-demo

 LocalRepo

 index.html

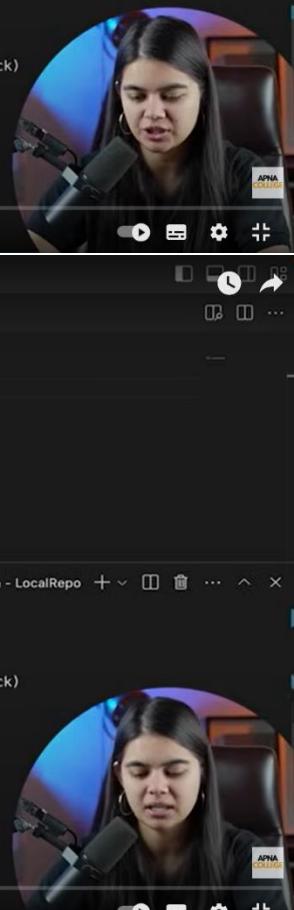
 style.css

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - LocalRepo

```
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 314 bytes | 314.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0)
To https://github.com/student-apnacollege/localrepo.git
 * [new branch]  main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
shradhakhapra@Shradhas-MacBook-Air LocalRepo %
```

OUTLINE TIMELINE 47:29 / 1:15:21



Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER ... index.html README.md A X

GITDEMO

LocalRepo > README.md

```
1 #This is my Local Repo
2
```

LocalRepo > index.html

LocalRepo > README.md A

style.css

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - LocalRepo + -

shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
On branch main
Your branch is up to date with 'origin/main'.

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

nothing added to commit but untracked files present (use "git add" to track)
shradhakapra@Shradhas-MacBook-Air LocalRepo % git add .
shradhakapra@Shradhas-MacBook-Air LocalRepo % git commit -m "Add Readme"
[main 985145f] Add Readme
 1 file changed, 1 insertion(+)
 create mode 100644 README.md
shradhakapra@Shradhas-MacBook-Air LocalRepo %

OUTLINE TIMELINE 48:21 / 1:15:21

Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER ... index.html README.md X

GITDEMO

LocalRepo > README.md

```
1 #This is my Local Repo
2
```

LocalRepo > index.html

LocalRepo > README.md A

style.css

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - LocalRepo + -

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

nothing added to commit but untracked files present (use "git add" to track)
shradhakapra@Shradhas-MacBook-Air LocalRepo % git add .
shradhakapra@Shradhas-MacBook-Air LocalRepo % git commit -m "Add Readme"
[main 985145f] Add Readme
 1 file changed, 1 insertion(+)
 create mode 100644 README.md
shradhakapra@Shradhas-MacBook-Air LocalRepo % git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 339 bytes | 339.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)

To https://github.com/student-apnacollege/localrepo.git
 44e1cf4..985145f main -> main

shradhakapra@Shradhas-MacBook-Air LocalRepo %

OUTLINE TIMELINE 48:26 / 1:15:21

The screenshot displays a video player interface with two main windows. The top window shows a terminal session in VS Code with a dark theme. The command history includes:

```
shradhakapra@Shradhas-MacBook-Air LocalRepo % git add .
shradhakapra@Shradhas-MacBook-Air LocalRepo % git commit -m "Fixed readme"
[main 3cd785d] Fixed readme
 1 file changed, 1 insertion(+), 1 deletion(-)
shradhakapra@Shradhas-MacBook-Air LocalRepo % git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 340 bytes | 340.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/student-apnacollege/localrepo.git
 985145f..3cd785d main -> main
shradhakapra@Shradhas-MacBook-Air LocalRepo %
```

The bottom window shows a GitHub repository page for 'student-apnacollege / localrepo'. The repository details are:

- Owner: student-apnacollege
- Name: localrepo
- Type: Public
- Branch: main
- Commits: 3 (3cd785d now)
- Issues: 0
- Pull requests: 0
- Actions: 0
- Projects: 0
- Wiki: 0
- Security: 0
- Insights: 0
- Settings: 0

The README.md file content is:

```
This is my Local Repo
```

The video player controls at the bottom indicate the video is at 48:52 / 1:15:21.

WorkFlow

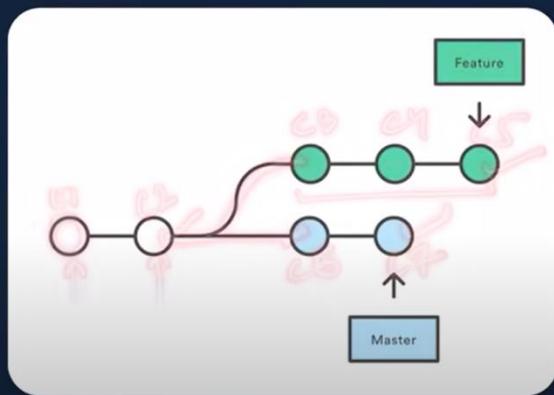
Local Git



▶ ▶ ⏴ 49:34 / 1:15:21



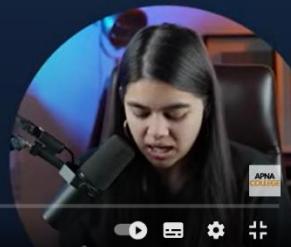
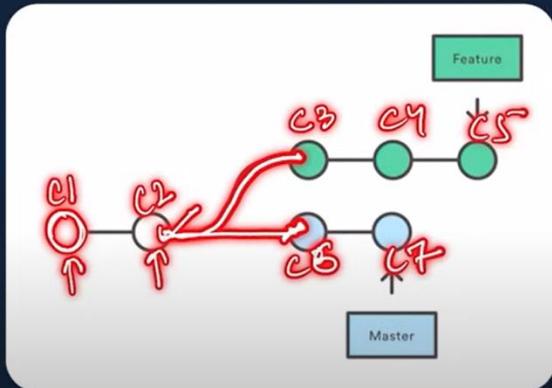
Git Branches



▶ ▶ ⏴ 50:14 / 1:15:21

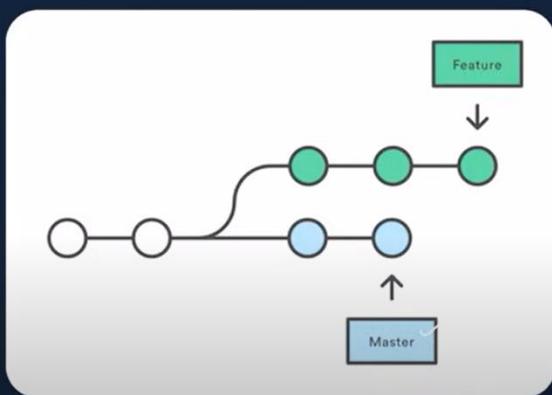
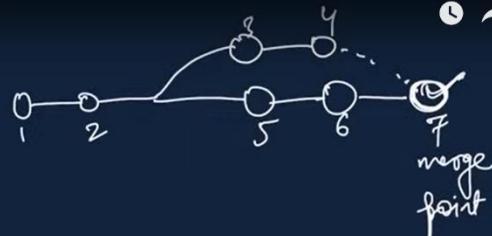


Git Branches



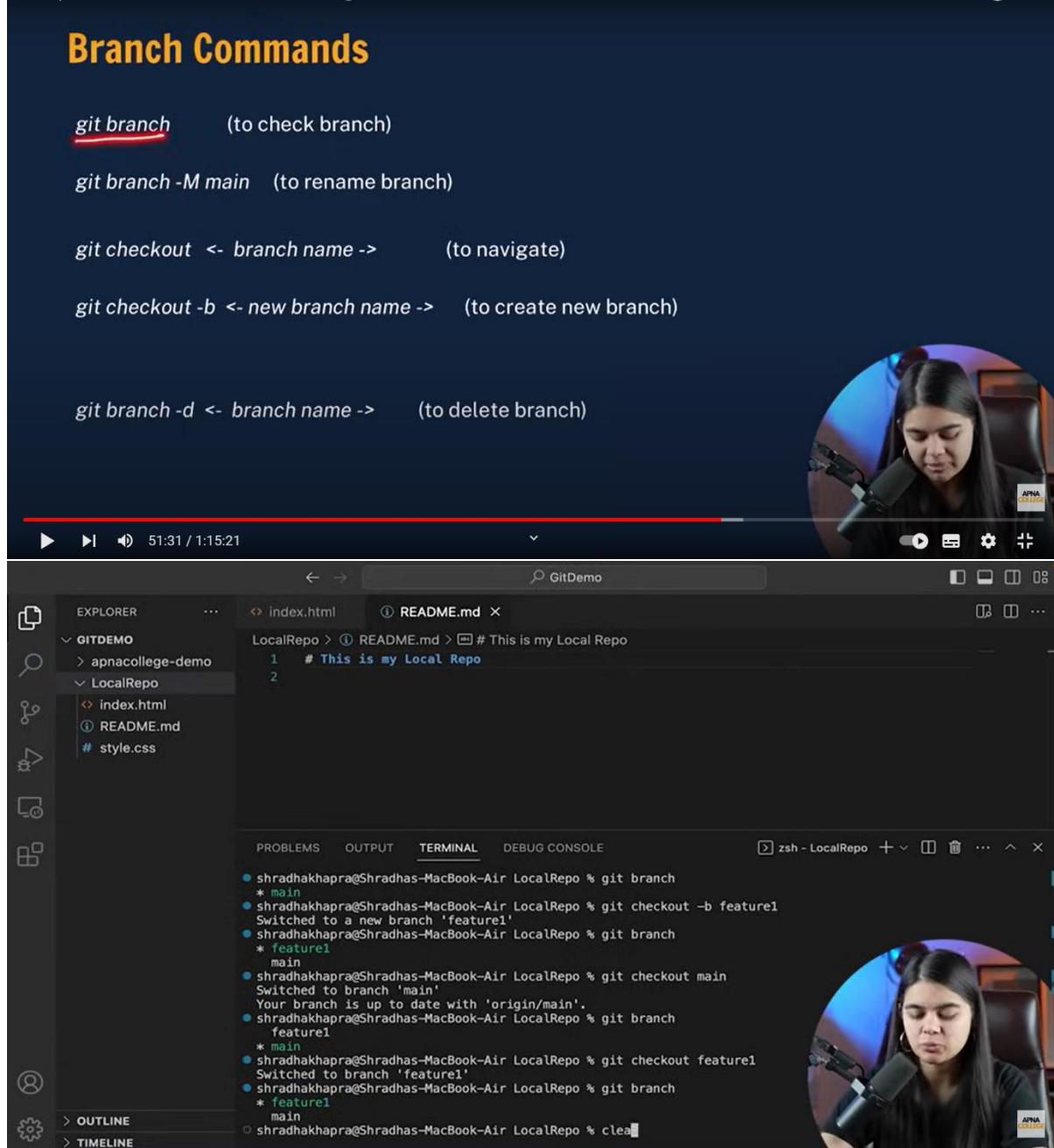
▶ ▶ ⏴ 50:09 / 1:15:21

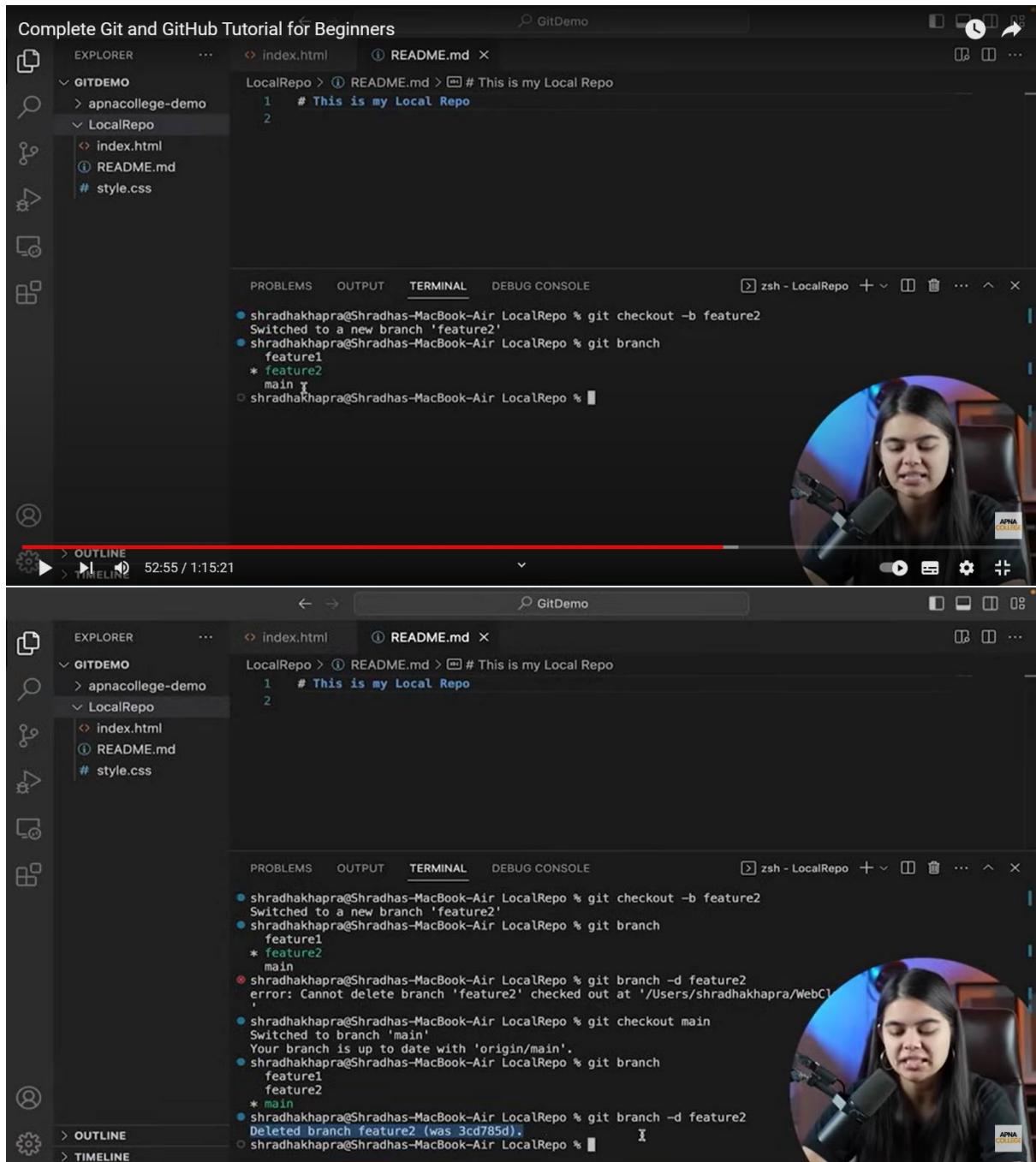
Git Branches



▶ ▶ ⏴ 51:22 / 1:15:21

Complete Git and GitHub Tutorial for Beginners





The image shows two screenshots of a video call interface, likely from a platform like Zoom or OBS Studio, demonstrating a Git tutorial. The video feed is on the right, showing a person with long dark hair speaking into a black microphone. The video is framed by a circular border.

The left side of the interface displays a terminal window titled "GitDemo" with the following command history:

```
shradhakapra@Shradhas-MacBook-Air LocalRepo % git checkout -b feature2
Switched to a new branch 'feature2'
shradhakapra@Shradhas-MacBook-Air LocalRepo % git branch
  feature1
* feature2
  main
shradhakapra@Shradhas-MacBook-Air LocalRepo %
```

The terminal window has tabs for PROBLEMS, OUTPUT, TERMINAL, and DEBUG CONSOLE. The TERMINAL tab is selected. Below the terminal, there's a status bar showing "zsh - LocalRepo" and a timestamp "52:55 / 1:15:21".

The left sidebar of the interface shows the file structure of a local repository named "GITDEMO". It contains a folder "apnacollege-demo" and a folder "LocalRepo". Inside "LocalRepo", there are files "index.html", "README.md", and "# style.css".

The image shows two screenshots of a video call interface. The top screenshot displays a terminal window within a dark-themed IDE or terminal application. The terminal shows a local repository named 'LocalRepo' containing files 'index.html', 'README.md', and '# style.css'. The user has run several git commands:

```
shradhakapra@Shradhas-MacBook-Air LocalRepo % git branch
  feature1
* feature2
  main
shradhakapra@Shradhas-MacBook-Air LocalRepo % git branch -d feature2
error: Cannot delete branch 'feature2' checked out at '/Users/shradhakapra/WebClassroom/LocalRepo'
shradhakapra@Shradhas-MacBook-Air LocalRepo % git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
shradhakapra@Shradhas-MacBook-Air LocalRepo % git branch
  feature1
* feature2
  main
shradhakapra@Shradhas-MacBook-Air LocalRepo % git branch -d feature2
Deleted branch feature2 (was 3cd785d).
shradhakapra@Shradhas-MacBook-Air LocalRepo % git branch
* main
```

The bottom screenshot shows a similar terminal session, but the user has added content to 'index.html':

```
<p>This is a new repo.</p>
<p>This is a new feature</p>
```

Both screenshots show a video feed of a person with long dark hair speaking into a microphone. The video player interface includes a play button, volume control, and a timestamp of 54:26 / 1:15:21.



GitDemo

EXPLORER

GITDEMO

- apnacollege-demo
- LocalRepo
- index.html
- README.md
- # style.css

TERMINAL

```
Switched to branch 'feature1'
● shradhakapra@Shradhas-MacBook-Air LocalRepo % git branch
* feature1
  main
● shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
On branch feature1
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   index.html

no changes added to commit (use "git add" and/or "git commit -a")
● shradhakapra@Shradhas-MacBook-Air LocalRepo % git add .
● shradhakapra@Shradhas-MacBook-Air LocalRepo % git commit -m"Add new feature"
[feature1 ca15fd0] Add new feature
  1 file changed, 1 insertion(+)
● shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
On branch feature1
nothing to commit, working tree clean
● shradhakapra@Shradhas-MacBook-Air LocalRepo %
```



GitDemo

EXPLORER

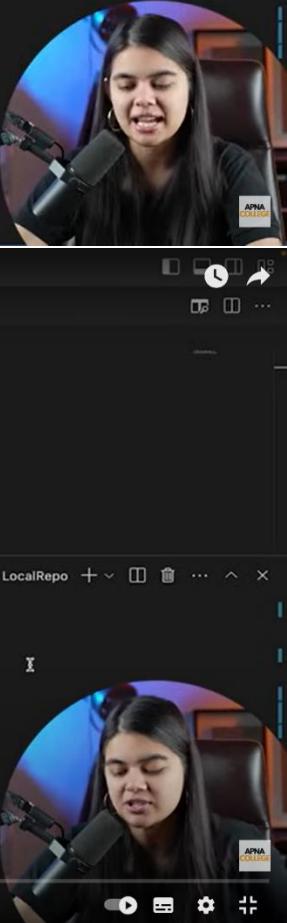
GITDEMO

- apnacollege-demo
- LocalRepo
- index.html
- README.md
- # style.css

TERMINAL

```
main
● shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
On branch feature1
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   index.html

no changes added to commit (use "git add" and/or "git commit -a")
● shradhakapra@Shradhas-MacBook-Air LocalRepo % git add .
● shradhakapra@Shradhas-MacBook-Air LocalRepo % git commit -m"Add new feature"
[feature1 ca15fd0] Add new feature
  1 file changed, 1 insertion(+)
● shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
On branch feature1
nothing to commit, working tree clean
● shradhakapra@Shradhas-MacBook-Air LocalRepo % git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
● shradhakapra@Shradhas-MacBook-Air LocalRepo %
```



The image shows two screenshots of a video player interface, likely from a tutorial video. The top screenshot shows a terminal window in the background with the command `git checkout feature1`. The bottom screenshot shows the same terminal window with the command `git branch` followed by output showing `* feature1` and `main`. Both screenshots show the video player's control bar at the bottom, including play/pause, volume, and timeline indicators.

GitDemo

index.html X README.md

LocalRepo > index.html > p

1 <p>This is a new repo.</p>

2 <p>This is a new feature</p>

3

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - LocalRepo +

shradhakhapra@Shradhas-MacBook-Air LocalRepo % git checkout feature1

Complete Git and GitHub Tutorial for Beginners

GitDemo

index.html X README.md

LocalRepo > index.html > p

1 <p>This is a new repo.</p>

2 <p>This is a new feature</p>

3

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - LocalRepo +

shradhakhapra@Shradhas-MacBook-Air LocalRepo % git branch

* feature1

main

shradhakhapra@Shradhas-MacBook-Air LocalRepo % git push origin feature1

OUTLINE TIMELINE

55:24 / 1:15:21

Complete Git and GitHub Tutorial for Beginners

Merging Code

Way 1

```
git diff <- branch name->      (to compare commits, branches, files & more)
```

```
git merge <- branch name->      (to merge 2 branches)
```

Way 2

Create a PR

APNA COLLEGE

GitDemo

EXPLORER ...

GITDEMO

LocalRepo

index.html

README.md

style.css

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - LocalRepo

```
shradhakapra@Shradhas-MacBook-Air LocalRepo % git branch
* feature1
  main
shradhakapra@Shradhas-MacBook-Air LocalRepo % git push origin feature1
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 357 bytes | 357.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'feature1' on GitHub by visiting:
remote:   https://github.com/student-apnacollege/localrepo/pull/new/feature1
remote:
To https://github.com/student-apnacollege/localrepo.git
 * [new branch]      feature1 -> feature1
shradhakapra@Shradhas-MacBook-Air LocalRepo %
```

Complete Git and GitHub Tutorial for Beginners

EXPLORER ... index.html X README.md

GITDEMO

LocalRepo > index.html > p

```
1  <p>This is a new repo.</p>
2  <p>This is a new feature</p>
3
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - LocalRepo

```
● shradhakapra@Shradhas-MacBook-Air LocalRepo % git branch
* feature1
  main
● shradhakapra@Shradhas-MacBook-Air LocalRepo % git diff main
diff --git a/index.html b/index.html
index 4c7afdf..588c343 100644
--- a/index.html
+++ b/index.html
@@ -1 +1,2 @@
-<p>This is a new repo.</p>
+<p>This is a new feature</p>
○ shradhakapra@Shradhas-MacBook-Air LocalRepo % git merge
```

PULL REQUEST

It lets you tell others about changes you've pushed to a branch in a repository on GitHub.

branch

main

PR review

sent.dev

▶ ▶ ⏪ 58:09 / 1:15:21

The image shows two screenshots of a video player displaying a GitHub repository page and a pull request creation interface.

Screenshot 1: Repository Overview

The top screenshot shows the GitHub repository page for "student-apnacollege / localrepo". The repository is public and has 2 branches (main and feature1) and 0 tags. A message states "Your main branch isn't protected". The README file contains the text "This is my Local Repo". The repository has 3 commits from student-apnacollege, all related to fixing the README file. The repository has 0 stars, 1 watching, and 0 forks. The "About" section notes "No description, website, or topics provided".

Screenshot 2: Pull Request Creation

The bottom screenshot shows the "Open a pull request" interface. It compares the "main" branch against the "feature1" branch. The status is "Able to merge". The pull request form includes fields for "Reviewers" (No reviews), "Assignees" (No one—assign yourself), "Labels" (None yet), "Projects" (None yet), and "Milestone" (No milestone). The "Create pull request" button is visible at the bottom right. A note at the bottom left says "Remember, contributions to this repository should follow our GitHub Community Guidelines."

Both screenshots include a video overlay of a person speaking into a microphone, likely the host of the tutorial.

Complete Git and GitHub Tutorial for Beginners

Add new feature #1

I'm Open student-apnacol... wants to merge 1 commit into `main` from `feature1`

Conversation 0 Commits 1 Checks 0 Files changed 1

student-apnacollege commented now

No description provided.

Add new feature ca15fd0

Add more commits by pushing to the `feature1` branch on [student-apnacollege/localrepo](#).

Require approval from specific reviewers before merging Branch protection rules ensure specific people approve pull requests before they're merged. Add rule

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

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

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

Notification: 58:34 / 1:15:21

student-apnacollege/apnacollege Add new feature by student-apnacollege +

I'm Open Add new feature #1 student-apnacollege wants to merge 1 commit into `main` from `feature1`

Add new feature ca15fd0

Add more commits by pushing to the `feature1` branch on [student-apnacollege/localrepo](#).

Merge pull request #1 from student-apnacollege/`feature1`

Add new feature

This commit will be authored by 143068470+student-apnacollege@users.noreply.github.com

Confirm merge Cancel

Write Preview

Leave a comment

Attach files by dragging & dropping, selecting or pasting them.

Close pull request Comment

Remember, contributions to this repository should follow our GitHub Community Guidelines.

ProTip! Add `.patch` or `.diff` to the end of URLs for Git's plaintext views.

Reviewers No reviews Still in progress? Convert to draft

Assignees No one—assign yourself

Labels None yet

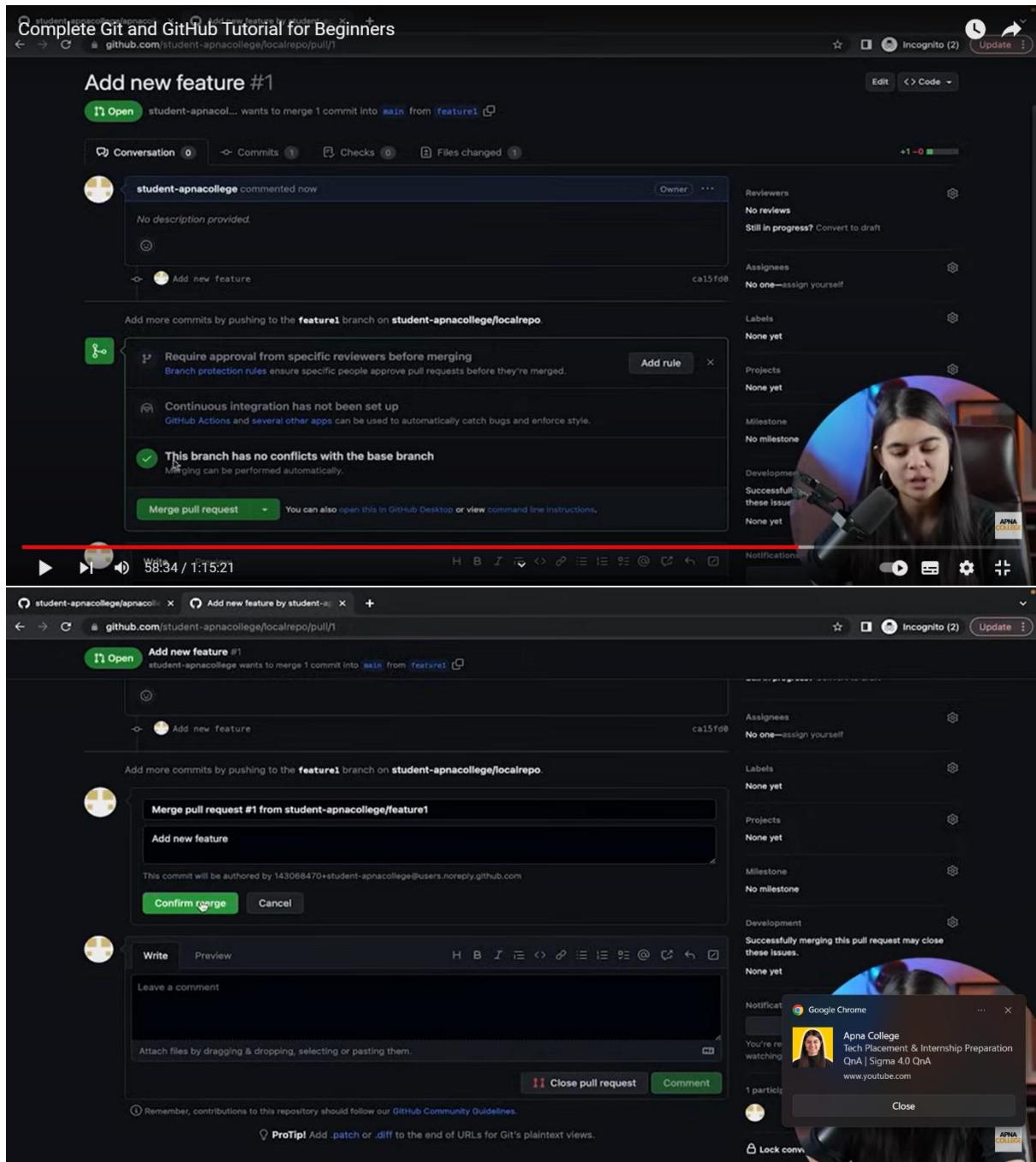
Projects None yet

Milestone No milestone

Development Successfully these issues None yet

Notification: Google Chrome Apna College Tech Placement & Internship Preparation QnA | Sigma 4.0 QnA www.youtube.com 1 participant Close

Lock conv.



The image shows two screenshots of a GitHub interface, likely from a video tutorial, overlaid on a video player interface.

Screenshot 1: Pull Request Merge

A GitHub pull request page for "student-apnacollege/localrepo/pull/1" is displayed. The status is "Merged". The commit message is "Add new feature #1". The commit hash is "d8cccc9". The branch merged is "feature1" into "main". The user "student-apnacollege" merged the commit. A message says "Pull request successfully merged and closed. You're all set—the feature1 branch can be safely deleted." There is a "Delete branch" button. On the right, there are fields for Assignees, Labels, Projects, Milestone, and Notifications. A comment section is present with a "Comment" button. A "ProTip!" note suggests adding ".patch" or ".diff" to URLs for plaintext views. A circular video overlay in the bottom right corner shows a person speaking into a microphone.

Screenshot 2: Repository Overview

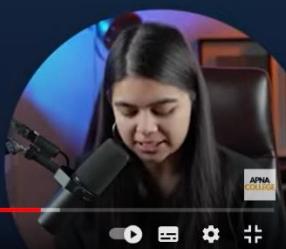
A GitHub repository page for "student-apnacollege / localrepo" is shown. The repository has 2 branches (main, feature1) and 0 tags. The "Code" tab is selected. The "main" branch is checked out. A "Switch branches/tags" dropdown shows "Find or create a branch...". The repository has 5 commits. The latest commit is "Add new feature" by "student-apnacollege" (commit hash d8cccc9). The repository has 0 stars, 1 watching, and 0 forks. The "About" section notes "No description, website, or topics provided." The "Releases" section says "No releases published. Create a new release." The "Packages" section says "No packages found. Publish your project." A circular video overlay in the bottom right corner shows a person speaking into a microphone.

Both screenshots have a timestamp at the bottom: 59:19 / 1:15:21.

Pull Command

```
git pull origin main
```

used to fetch and download content from a remote repo and immediately update the local repo to match that content.



1:00:16 / 1:15:21

GitDemo

EXPLORER ... index.html X README.md

GITDEMO

- > apnacollege-demo
- ✓ LocalRepo
- index.html
- README.md
- # style.css

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - LocalRepo

```
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git branch
  feature1
* main
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git pull origin main
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), done.
From https://github.com/student-apnacollege/localrepo
 * branch      main      --> FETCH_HEAD
   3cd785d..d8cccc9  main      --> origin/main
Updating 3cd785d..d8cccc9
Fast-forward
 index.html | 1 +
 1 file changed, 1 insertion(+)
shradhakhapra@Shradhas-MacBook-Air LocalRepo %
```

Resolving Merge Conflicts

An event that takes place when Git is unable to automatically resolve differences in code between two commits.

Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER ... index.html M README.md

GITDEMO

apnacollege-demo

LocalRepo

index.html M

README.md

style.css

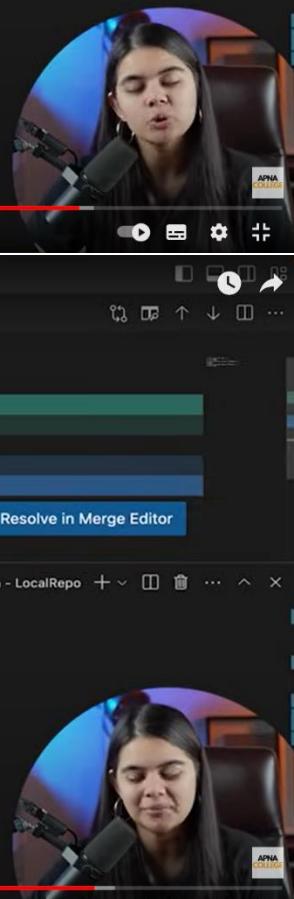
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - LocalRepo

```
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git add .
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git commit -m "Add button"
[main 912c244] Add button
 1 file changed, 1 insertion(+), 1 deletion(-)
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git checkout feature1
Switched to branch 'feature1'
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git branch
 * feature1
   main
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git add .
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git commit -m "Add Dropdown"
[feature1 904f361] Add Dropdown
 1 file changed, 1 insertion(+), 1 deletion(-)
shradhakhapra@Shradhas-MacBook-Air LocalRepo %
```

OUTLINE TIMELINE

1:01:52 / 1:15:21



The image shows two screenshots of a video player interface, likely from a tutorial video, overlaid on a code editor window. The video player at the top has a circular thumbnail of a woman speaking into a microphone. The video progress bar shows 1:02:14 / 1:15:21. The video title is "Complete Git and GitHub Tutorial for Beginners".

The code editor below contains a terminal window showing a git diff command output:

```
shradhakapra@Shradhas-MacBook-Air LocalRepo % git diff main
diff --git a/index.html b/index.html
index f031e70..931118e 100644
--- a/index.html
+++ b/index.html
@@ -1,2 +1,2 @@
 <p>This is a new repo.</p>
-<p>This is a new feature (button)</p>
+<p>This is a new feature (dropdown)</p>
shradhakapra@Shradhas-MacBook-Air LocalRepo %
```

The terminal tab is active, and the status bar shows "zsh - LocalRepo".

In the second screenshot, the video player shows the woman looking down at the screen. The code editor shows the same terminal output, and the status bar shows "zsh - LocalRepo".

The video player at the bottom has a circular thumbnail of the same woman. The video progress bar shows 1:03:13 / 1:15:21. The video title is "Complete Git and GitHub Tutorial for Beginners".

The code editor below contains a terminal window showing a git diff command output:

```
shradhakapra@Shradhas-MacBook-Air LocalRepo % git diff main
diff --git a/index.html b/index.html
index f031e70..931118e 100644
--- a/index.html
+++ b/index.html
@@ -1,2 +1,2 @@
 <p>This is a new repo.</p>
-<p>This is a new feature (button)</p>
+<p>This is a new feature (dropdown)</p>
shradhakapra@Shradhas-MacBook-Air LocalRepo %
CONFLICT (content): Merge conflict in index.html
Automatic merge failed; fix conflicts and then commit the result.
shradhakapra@Shradhas-MacBook-Air LocalRepo %
```

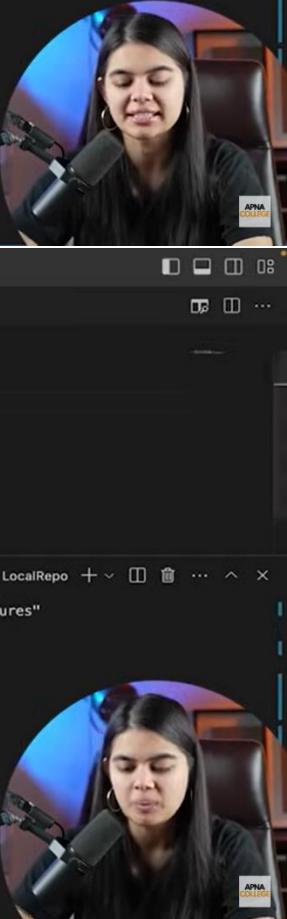
The terminal tab is active, and the status bar shows "zsh - LocalRepo".

Complete Git and GitHub Tutorial for Beginners

The image shows a split-screen interface. On the left is a screenshot of the VS Code code editor. The Explorer sidebar shows a project named 'GITDEMO' containing 'apnacollege-demo', 'LocalRepo', 'index.html', 'README.md', and 'style.css'. The 'index.html' file is open in the editor, showing its content. A 'TERMINAL' tab is active, displaying a git merge session. The terminal output shows a merge conflict in the 'index.html' file:

```
shradhakapra@Shradhas-MacBook-Air LocalRepo % git diff main
diff --git a/index.html b/index.html
index f031e70..931118e 100644
--- a/index.html
+++ b/index.html
@@ -1,2 +1,2 @@
 <p>This is a new repo.</p>
-<p>This is a new feature (button)</p>
+<p>This is a new feature (dropdown)</p>
shradhakapra@Shradhas-MacBook-Air LocalRepo % git merge main
Auto-merging index.html
CONFLICT (content): Merge conflict in index.html
Automatic merge failed; fix conflicts and then commit the result.
shradhakapra@Shradhas-MacBook-Air LocalRepo %
```

A blue button labeled 'Resolve in Merge Editor' is visible at the bottom right of the terminal area. On the right side of the interface, there is a video feed of a person with long dark hair, wearing a black shirt, sitting in front of a microphone. The video is framed by a circular border.



The image shows two screenshots of a GitHub Desktop application interface, likely from a video call. The top screenshot shows a commit message being reviewed in the terminal, while the bottom screenshot shows the commit message after it has been pushed to the repository.

Top Screenshot (Commit Message Review):

```
shradhakapra@Shradhas-MacBook-Air LocalRepo % git add .
shradhakapra@Shradhas-MacBook-Air LocalRepo % git commit -m "Add both features"
[feature1 1470d0b] Add both features
shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
On branch feature1
nothing to commit, working tree clean
shradhakapra@Shradhas-MacBook-Air LocalRepo % git diff
shradhakapra@Shradhas-MacBook-Air LocalRepo % git diff main
diff --git a/index.html b/index.html
index f031e70..f7abd9a 100644
--- a/index.html
+++ b/index.html
@@ -1,2 +1,3 @@
 <p>This is a new repo.</p>
<p>This is a new feature (dropdown)</p>
<p>This is a new feature (button)</p>
shradhakapra@Shradhas-MacBook-Air LocalRepo %
```

Bottom Screenshot (Commit Message After Push):

```
shradhakapra@Shradhas-MacBook-Air LocalRepo % git commit -m "Add both features"
[feature1 1470d0b] Add both features
shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
On branch feature1
nothing to commit, working tree clean
shradhakapra@Shradhas-MacBook-Air LocalRepo % git diff
shradhakapra@Shradhas-MacBook-Air LocalRepo % git diff main
diff --git a/index.html b/index.html
index f031e70..f7abd9a 100644
--- a/index.html
+++ b/index.html
@@ -1,2 +1,3 @@
 <p>This is a new repo.</p>
<p>This is a new feature (dropdown)</p>
<p>This is a new feature (button)</p>
shradhakapra@Shradhas-MacBook-Air LocalRepo % git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)
shradhakapra@Shradhas-MacBook-Air LocalRepo %
```

Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER ... index.html README.md

GITDEMO

LocalRepo > index.html > p

```
1  <p>This is a new repo.</p>
2  <p>This is a new feature (dropdown)</p>
3  <p>This is a new feature (button)</p>
4
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - LocalRepo

```
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git merge feature1
Updating 912c244..1470d0b
Fast-forward
 index.html | 1 +
 1 file changed, 1 insertion(+)
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git push
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 8 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (9/9), 990 bytes | 990.00 KiB/s, done.
Total 9 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), done.
To https://github.com/student-apnacollege/localrepo.git
 d8ccc99..1470d0b main -> main
shradhakhapra@Shradhas-MacBook-Air LocalRepo %
```

OUTLINE TIMELINE 1:05:19 / 1:15:21

Complete Git and GitHub Tutorial for Beginners

student-apnacollege / localrepo

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

localrepo Public

main 2 branches 0 tags

Your main branch isn't protected

Protect this branch

student-apnacollege Add both features

1470d0b 1 minute ago 8 commits

README.md Fixed readme 24 minutes ago

index.html Add both features 1 minute ago

style.css Add Initial Files 47 minutes ago

README.md

This is my Local Repo

About

No description, website, or topics provided.

Readme

Activity

0 stars

1 watching

0 forks

Releases

No releases published. Create a new release

Packages

No packages published. Publish your first package

Language

The screenshot shows a video player interface. At the top, there is a browser window displaying a GitHub repository named 'student-apnacollege / localrepo'. The repository page shows a commit titled 'Add both features' by 'student-apnacollege' made 1 minute ago. The code editor on the right shows three lines of HTML code:

```
<p>This is a new repo.</p>
<div>This is a new feature (dropdown)</div>
<button>This is a new feature (button)</button>
```

Below the browser window, the video player has a dark theme. It displays a circular video feed of a person with long dark hair speaking into a microphone. The video player controls at the bottom include play, pause, and volume buttons, along with a progress bar showing 1:05:27 / 1:15:21.

The main content area of the video player is a slide titled 'Complete Git and GitHub Tutorial for Beginners' with the section 'Undoing Changes' highlighted in yellow. The slide contains text and code examples for using the 'git reset' command:

Case 1 : staged changes

~~git reset <- file name ->~~

git reset

Case 2 : committed changes (for one commit)

git reset HEAD~1

Case 3 : committed changes (for many commits)

git reset <- commit hash ->

git reset --hard <- commit hash ->

At the bottom of the video player, there are additional controls and a timestamp of 1:05:47 / 1:15:21.

Complete Git and GitHub Tutorial for Beginners



GitDemo

EXPLORER ... index.html README.md

GITDEMO

LocalRepo > index.html > ...

```
1  <p>This is a new repo.</p>
2  <p>This is a new feature (dropdown)</p>
3  <p>This is a new feature (button)</p>
4
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - LocalRepo

```
shradhakapra@Shradhas-MacBook-Air LocalRepo % git branch
* main
shradhakapra@Shradhas-MacBook-Air LocalRepo %
```

OUTLINE TIMELINE 1:05:58 / 1:15:21

Complete Git and GitHub Tutorial for Beginners



GitDemo

EXPLORER ... index.html M README.md

GITDEMO

LocalRepo > index.html > ...

```
1  <p>This is a new repo.</p>
2  <p>This is a new feature (dropdown)</p>
3
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

zsh - LocalRepo

```
shradhakapra@Shradhas-MacBook-Air LocalRepo % git branch
* main
shradhakapra@Shradhas-MacBook-Air LocalRepo % git add .
shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
On branch main
Your branch is up to date with 'origin/main'.

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

shradhakapra@Shradhas-MacBook-Air LocalRepo % git reset index.html
```

OUTLINE TIMELINE 1:06:36 / 1:15:21

Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER

GITDEMO

> apnacollege-demo

< LocalRepo

index.html M

README.md

style.css

LocalRepo > index.html > p

1 <p>This is a new repo.</p>

2 <p>This is a new feature (dropdown)</p>

3

PROBLEMS

OUTPUT

TERMINAL

DEBUG CONSOLE

zsh - LocalRepo

shradhakapra@Shradhas-MacBook-Air LocalRepo % git reset
Unstaged changes after reset:
M index.html

shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
modified: index.html

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

shradhakapra@Shradhas-MacBook-Air LocalRepo %

OUTLINE

TIMELINE

1:07:04 / 1:15:21

APNA COLLEGE

EXPLORER

GITDEMO

> apnacollege-demo

< LocalRepo

index.html M

README.md

style.css

LocalRepo > index.html > p

1 <p>This is a new repo.</p>

2 <p>This is a new feature (dropdown)</p>

3

PROBLEMS

OUTPUT

TERMINAL

DEBUG CONSOLE

zsh - LocalRepo

shradhakapra@Shradhas-MacBook-Air LocalRepo % git add .

shradhakapra@Shradhas-MacBook-Air LocalRepo % git commit -m "Delete button"
[main f76ct45] Delete button
1 file changed, 1 deletion(-)

shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
git: 'statu' is not a git command. See 'git --help'.

The most similar commands are
status
stage
stash

shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean

shradhakapra@Shradhas-MacBook-Air LocalRepo %

OUTLINE

TIMELINE

APNA COLLEGE

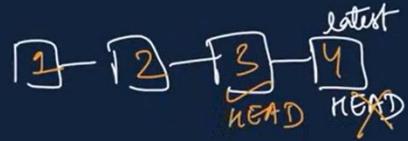
Undoing Changes

Case 1 : staged changes (add →)

~~git reset <- file name ->~~

git reset

HEAD~1



Case 2 : committed changes (for one commit)

git reset HEAD~1

Case 3 : committed changes (for many commits)

git reset <- commit hash ->

git reset --hard <- commit hash ->

▶ ▶ ⏪ 1:08:24 / 1:15:21

Complete Git and GitHub Tutorial for Beginners

The screenshot shows a video player window with a woman speaking into a microphone. The video player has a play button, volume control, and a progress bar at 1:08:24 / 1:15:21. Below the video, the VS Code interface is visible, showing the Explorer, Terminal, and Output panes.

EXPLORER

- GITDEMO
 - apnacollege-demo
 - LocalRepo
 - index.html M
 - README.md
 - # style.css

TERMINAL

```
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git reset HEAD~1
Unstaged changes after reset:
M index.html
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   index.html

no changes added to commit (use "git add" and/or "git commit -a")
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git log
```

OUTPUT

```
zsh - LocalRepo
```

▶ ▶ ⏪ 1:08:53 / 1:15:21

Complete Git and GitHub Tutorial for Beginners

GitDemo

EXPLORER

- GITDEMO
 - > apnacollege-demo
 - LocalRepo
 - index.html M
 - README.md
 - # style.css

TERMINAL

```

commit 1470d0b126bef35b777544b7261c440bde98de29 (HEAD -> main, origin/main, feature1)
Merge: 904f361 912c244
Author: Student ApnaCollege <student@apnacollege.in>
Date: Thu Aug 24 14:17:23 2023 +0530

Add both features

commit 904f3612815042e8223430db007928a07616f01b
Author: Student ApnaCollege <student@apnacollege.in>
Date: Thu Aug 24 14:13:58 2023 +0530

Add Dropdown

commit 912c244cd490c86859d2844b461fc5cd48892e
Author: Student ApnaCollege <student@apnacollege.in>
Date: Thu Aug 24 14:13:14 2023 +0530
  
```

OUTLINE TIMELINE Add button

shradhakapra@Shradhas-MacBook-Air LocalRepo %

Complete Git and GitHub Tutorial for Beginners

Undoing Changes

Case 1 : staged changes (add →)

```
git reset <- file name ->
```

```
git reset
```

Case 2 : committed changes (for one commit)

```
git reset HEAD~1
```

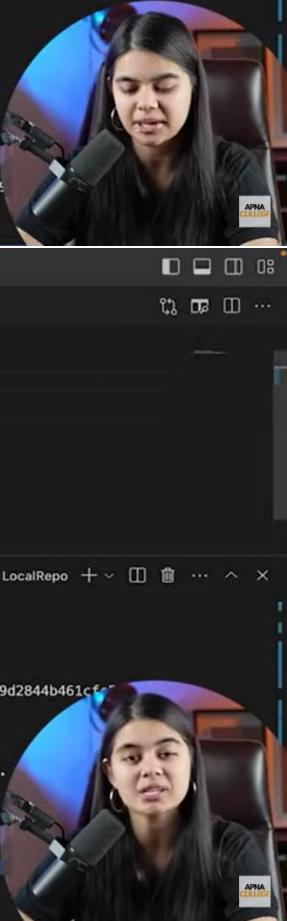
Case 3 : committed changes (for many commits)

```
git reset <- commit hash ->
```

```
git reset --hard <- commit hash ->
```

1:09:06 / 1:15:21

1:09:40 / 1:15:21



The image shows two screenshots of a terminal window in a code editor, likely VS Code, demonstrating a Git commit process. The terminal output is identical in both cases, showing the creation of a new repository and a commit with a dropdown feature.

Terminal Output:

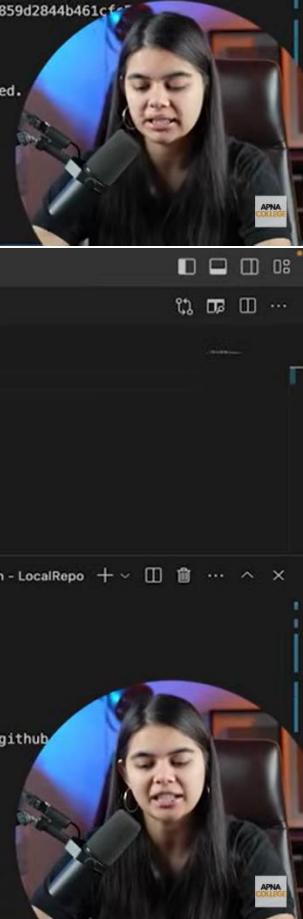
```
Date: Thu Aug 24 14:17:23 2023 +0530
Add both features
commit 904f3612815042e8223430db007928a07616f01b
Author: Student ApnaCollege <student@apnacollege.in>
Date: Thu Aug 24 14:13:58 2023 +0530
Add Dropdown
commit 912c244cdd490c86859d2844b461cf5cd48892e
Author: Student ApnaCollege <student@apnacollege.in>
Date: Thu Aug 24 14:13:14 2023 +0530
Add button
shradhakhapra@Shradhas-MacBook-Air LocalRepo % git reset 912c244cdd490c86859d2844b461cf5cd48892e
Unstaged changes after reset:
M index.html
shradhakhapra@Shradhas-MacBook-Air LocalRepo %
```

Terminal Tab: zsh - LocalRepo

Explorer: Shows the file structure of the repository:

- GITDEMO
 - apnacollege-demo
 - LocalRepo
 - index.html
 - README.md
 - style.css

Bottom Status Bar: OUTLINE, TIMELINE



The image shows two screenshots of a video call interface, likely from a platform like Zoom or Microsoft Teams, demonstrating a Git workflow in a terminal window within the Visual Studio Code (VS Code) application.

Screenshot 1:

- Terminal Output:**

```
Author: Student ApnaCollege <student@apnacollege.in>
Date: Thu Aug 24 14:13:14 2023 +0530

Add button

● shradhakhpра@Shradhas-MacBook-Air LocalRepo % git reset 912c244cd490c86859d2844b461cf5cd48892e
Unstaged changes after reset:
M index.html
● shradhakhpра@Shradhas-MacBook-Air LocalRepo % git status
On branch main
Your branch is behind 'origin/main' by 2 commits, and can be fast-forwarded.
(use "git pull" to update your local branch)

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   index.html

no changes added to commit (use "git add" and/or "git commit -a")
● shradhakhpра@Shradhas-MacBook-Air LocalRepo % git log
```
- Terminal Status:** The terminal shows a local repository named "LocalRepo". It has an unstaged change to "index.html". The status command indicates the branch is behind "origin/main" by 2 commits. The log command shows no changes added to the commit.

Screenshot 2:

- Terminal Output:**

```
commit 912c244cd490c86859d2844b461cf5cd48892e (HEAD -> main)
Author: Student ApnaCollege <student@apnacollege.in>
Date: Thu Aug 24 14:13:14 2023 +0530

Add button

commit d8cccc95588e89d2f0ef4ba17fef619acb1768ad
Merge: 3cd785d ca15fd0
Author: student-apnacollege <143068470+student-apnacollege@users.noreply.github.com>
Date: Thu Aug 24 14:09:44 2023 +0530

Merge pull request #1 from student-apnacollege/feature1

Add new feature

commit ca15fd01f2cec9e3577bf2fc9a438c29cf14ba1 (origin/feature1)
Author: Student ApnaCollege <student@apnacollege.in>
Date: Thu Aug 24 14:02:06 2023 +0530
```
- Terminal Status:** The terminal shows a local repository named "LocalRepo". It has a staged change to "index.html". The log command shows three commits: a local commit "Add button", a merge commit "Merge pull request #1 from student-apnacollege/feature1", and a remote commit "Add new feature".

The image shows two side-by-side screenshots of a video conference interface. On the right, a circular video feed of a woman with long dark hair, wearing a black t-shirt with a small logo, is speaking into a black microphone. On the left, a screenshot of a GitHub repository named 'GITDEMO' is displayed in a code editor. The repository contains files: 'index.html', 'README.md', and '# style.css'. The 'index.html' file shows the following code:

```
<p>This is a new repo.</p>
<p>This is a new feature (dropdown)</p>
```

The 'TERMINAL' tab at the bottom shows a terminal session with the following output:

```
shradhakapra@Shradhas-MacBook-Air LocalRepo % git status
On branch main
Your branch is behind 'origin/main' by 2 commits, and can be fast-forwarded.
(use "git pull" to update your local branch)

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   index.html

no changes added to commit (use "git add" and/or "git commit -a")
shradhakapra@Shradhas-MacBook-Air LocalRepo % git reset --hard 912c244cdd490c86859d
HEAD is now at 912c244 Add button
```

The bottom of the video interface shows a red progress bar indicating the video is at 1:11:13 / 1:15:21.

Fork

A fork is a new repository that shares code and visibility settings with the original “upstream” repository.

Fork is a rough copy.



▶ ▶ ⏴ 1:11:37 / 1:15:21



▶ ▶ ⏴ 1:11:52 / 1:15:21

This is my Local Repo



The image shows two screenshots of a video player interface, likely from a tutorial video, demonstrating GitHub search and repository details.

Top Screenshot: GitHub Search Results

URL: github.com/search?q=express&type=Repositories

Search term: express

Results: 599k results (382 ms)

Filter by:

- Code (163M)
- Repositories (599k)
- Issues (704k)
- Pull requests (4M)
- Discussions (14k)
- Users (15k)
- More

Languages:

- JavaScript
- TypeScript
- HTML
- CSS
- EJS
- Java
- Python
- Jupyter Notebook
- Vue
- C#
- More languages...

Sort by: Best match

Repositories listed:

- expressjs/express**
Fast, unopinionated, minimalist web framework for node.
nodejs javascript express server
JavaScript - ⭐ 61.7k - Updated 6 days ago
- mrvaletin/expressCart**
A fully functioning Node.js shopping cart with Stripe, PayPal, Authorize.net, PayWay, Blockonomics, Adyen, Zip and Instore payments.
nodejs javascript paypal shopping-cart stripe
JavaScript - ⭐ 2.2k - Updated on 26 Jun
- ExpressLRS/ExpressLRS**
STM32/ESP32/ESP8265-based High-Performance Radio Link for RC applications
esp8266 remote-control drone quadcopter fpv
C++ - ⭐ 2.6k - Updated 2 hours ago
- htmlmk/express**
nodejs服务端开发 (Express+Mysql) ---小k博客
JavaScript - ⭐ 215 - Updated on 1 Nov 2016

Bottom Screenshot: Repository Details for expressjs/express

URL: github.com/expressjs/express

Code Issues Pull requests Discussions Actions Wiki Security Insights

Repository: express (Public)

Branch: master

8 branches 286 tags

Go to file Add file Code

Commit history (5351987 commits):

- rakibshith and dougwillson lint: remove unused function arguments in Router on May 16 (5,776 commits)
- build: Node.js@18.15 5 months ago
- bench: remove unused parameter last year
- lint: remove unused parameters in examples 6 months ago
- Fix routing requests without method 6 months ago
- lint: remove unused function arguments in Route tests 3 months ago
- build: Add .editorconfig 6 years ago
- lint: add eslint rules that cover editorconfig 6 years ago
- build: eslint@4.19.1 2 years ago
- .gitignore build: use nyc for test coverage last year
- Charter.md docs: fix typo in casing of HTTP last year
- Code-Of-Conduct.md docs: add Code of Conduct 3 years ago
- Collaborator-Guide.md docs: fix typos in Collaborator.Guide 3 years ago
- docs: fix Code of Conduct link in Contributing 3 years ago

About:

Fast, unopinionated, minimalist web framework for node.

expressjs.com

nodejs javascript express server

Readme MIT license Code of conduct Security policy Activity 61.7k stars 1.7k watches 10.6k forks

Report issue 4.18.2 on Oct 9, 2023 1,140 references

The screenshot shows a video player interface with two stacked frames. Both frames display the GitHub repository page for 'expressjs/express'.

Top Frame: Shows the repository's main page. The title is 'Complete Git and GitHub Tutorial for Beginners'. The repository name is 'expressjs / express'. It has 126 issues, 69 pull requests, and 126 discussions. The code tab is selected. A commit list shows recent changes, including a merge from 'rakbslht' and 'dougwilson' to remove unused function arguments. The repository has 5,776 commits, 1.7k watchers, 10.6k forks, and 61.7k stars. The description is 'Fast, unopinionated, minimalist web framework for node.' A video player overlay on the right shows a person speaking into a microphone.

Bottom Frame: Shows the 'Create a new fork' page. The title is 'Complete Git and GitHub Tutorial for Beginners'. The URL is 'github.com/expressjs/express/fork'. The owner is 'student-apnacollege' and the repository name is 'express'. A note says 'express is available.' Below are fields for 'Description (optional)' containing 'Fast, unopinionated, minimalist web framework for node.', a checkbox for 'Copy the master branch only', and a note about contributing back. A 'Create fork' button is at the bottom. A video player overlay on the right shows a person speaking into a microphone.

Your master branch isn't protected

This branch is up to date with expressjs/express:master.

Fast, unopinionated, minimalist web framework for node.

```
1  !!!Express_Logo[https://i.cloudup.com/zfY61L7eFa-1000x3000.png](http://expressjs.com/)  
2  
3  
4  Fast, unopinionated, minimalist web framework for Node.js(http://nodejs.org).  
5  
6  \[!NPM Version\]\(npm-version-image\)\[npm-url\]  
7  \[!NPM Install Size\]\(npm-install-size-image\)\[npm-install-size-url\]  
8  \[!NPM Downloads\]\(npm-downloads-image\)\[npm-downloads-url\]  
9  
10  ``js  
11  const express = require('express')  
12  const app = express()  
13  
14  app.get('/', function (req, res) {  
15    res.send('Hello World')  
16  })  
17  
18  app.listen(3000)  
19  ``  
20  # Apna College  
21  
22  ## Installation  
23  
24  This is a Node.js(https://nodejs.org/en/) module available through the  
25  npm registry(https://www.npmjs.com/).  
26  
27  Before installing, download and install Node.js().
```

The image shows a composite view of a video conference and a GitHub repository page. On the right, a circular video frame shows a woman with long dark hair, wearing a black top, speaking into a black microphone. She has a small "APNA COLLEGE" logo in the bottom right corner of her screen. On the left, there are two stacked screenshots of a GitHub repository named "express".

Top Screenshot: This screenshot shows a "Commit changes" dialog box. It contains a "Commit message" field with the text "Update Readme.md" and an "Extended description" field with the placeholder "Add an optional extended description..". Below these fields are two radio buttons: one selected for "Commit directly to the master branch" and another for "Create a new branch for this commit and start a pull request". At the bottom right of the dialog are "Cancel" and "Saving..." buttons.

Bottom Screenshot: This screenshot shows the main repository page for "express". It features a summary bar with "master", "8 branches", and "286 tags". A prominent message says "Your master branch isn't protected" with a "Protect this branch" button. Below this, a commit history lists a single update from "student-apnacollege" to "Update Readme.md". The commit details show it was pushed by "85aa5ea" at "now" (5,777 commits ago). The commit message is "Update Readme.md". The commit history also includes several other recent commits from the original repository's maintainers. To the right of the commit history is a sidebar with sections for "About", "Activity", "Releases", and "Packages".

