



Git for Open Source

Software Development Team Session 2

slido



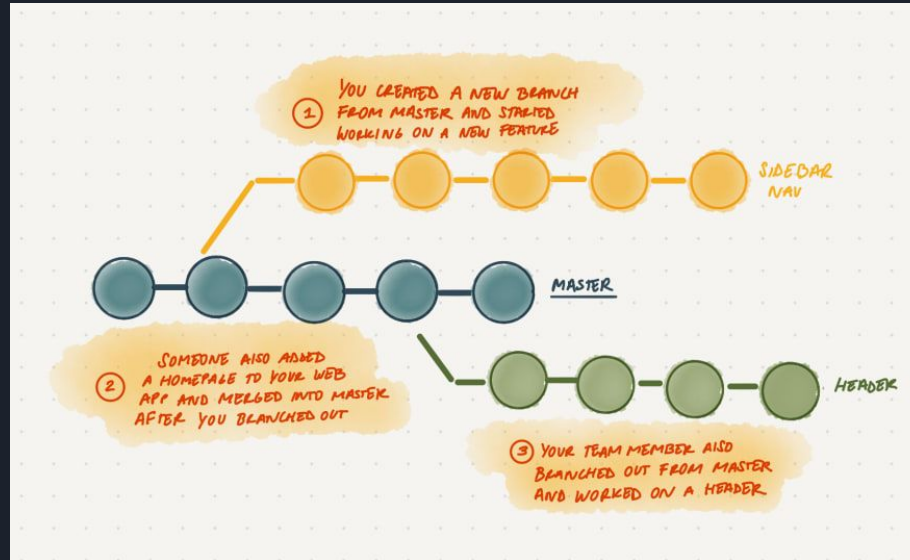
Audience Q&A Session

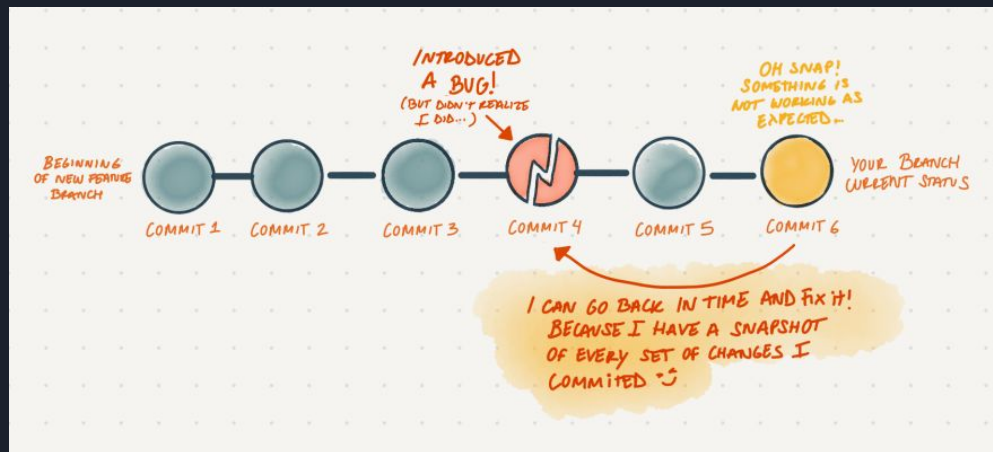
① Start presenting to display the audience questions on this slide.



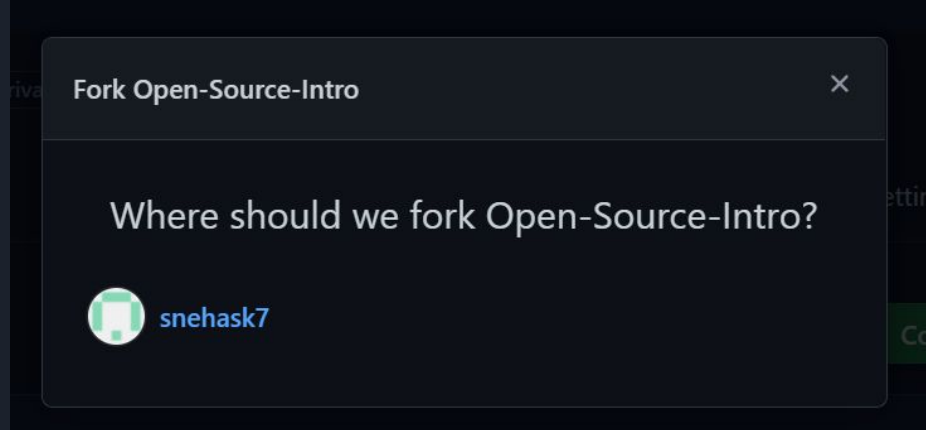
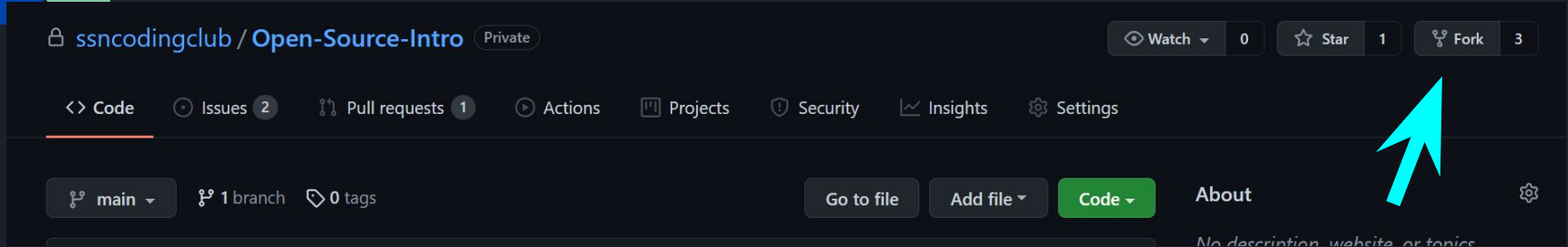
Agenda

- Good first issues
- Assignment
- Fork
- Switch to repo
- Branch
- Work
- Commit
- Push
- PR
- Other commands
- Hacktoberfest

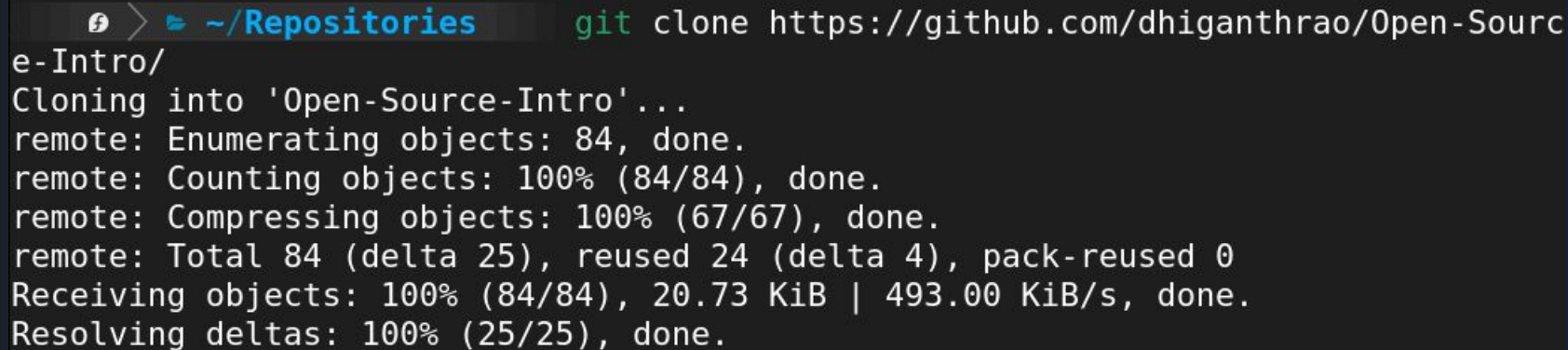




Forking



Cloning



```
➤ ~/Repositories git clone https://github.com/dhiganthrao/Open-Source-Intro/
Cloning into 'Open-Source-Intro'...
remote: Enumerating objects: 84, done.
remote: Counting objects: 100% (84/84), done.
remote: Compressing objects: 100% (67/67), done.
remote: Total 84 (delta 25), reused 24 (delta 4), pack-reused 0
Receiving objects: 100% (84/84), 20.73 KiB | 493.00 KiB/s, done.
Resolving deltas: 100% (25/25), done.
```




Branching

```
➤ > ~/R/Open-Source-Intro > on 🐱 🍷 main git checkout -b fix/issue-1  
Switched to a new branch 'fix/issue-1'
```


Do your work!



Check your status



```
🔍 > ~/R/Open-Source-Intro > on git 🍷 fix/issue-1 git status
On branch fix/issue-1
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:   names.md

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

```
🔍 > ~/R/Open-Source-Intro > on git 🍷 fix/issue-1 !1  ✓ < base ➕
```

Add and commit

```
> ~/R/Open-Source-Intro > on git fix/issue-1 !1 git add .
```

```
> ~/R/Open-Source-Intro > on git fix/issue-1 +1 git commit -m "Restructured names.md"
[fix/issue-1 e635667] Restructured names.md
1 file changed, 1 insertion(+), 2 deletions(-)
```

Push

```
~ /R/Open-Source-Intro > on git fix/issue-1 git push origin fix/iss  
ue-1  
Enumerating objects: 5, done.  
Counting objects: 100% (5/5), done.  
Delta compression using up to 4 threads  
Compressing objects: 100% (3/3), done.  
Writing objects: 100% (3/3), 297 bytes | 297.00 KiB/s, done.  
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0  
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.  
remote:  
remote: Create a pull request for 'fix/issue-1' on GitHub by visiting:  
remote:      https://github.com/dhiganthrao/Open-Source-Intro/pull/new/fix/issue  
-1  
remote:  
To https://github.com/dhiganthrao/Open-Source-Intro/  
* [new branch]      fix/issue-1 -> fix/issue-1
```

Pull Request

ssncodingclub / **Open-Source-Intro** Private

<> Code

Issues 2

Pull requests


Actions

Projects

Security


Insights

Settings

 **dhiganthrao:fix/issue-1** had recent pushes 1 minute ago

[Compare & pull request](#)

 main

 1 branch

 0 tags

[Go to file](#)







[Add file](#)

[Code](#)



dhiganthrao Merge pull request #8 from thenithinbalaji/task/add-names-md


✓ a245ae6 13 days ago ⌚ 30 commits

 .github/workflows	Renamed file and action itself.	15 days ago
 Contributing.md	Update Contributing.md	15 days ago
 LICENSE	Initial commit	19 days ago
 names.md	Added New Name	13 days ago
 print-statement.py	Formatted print-statement.py	15 days ago
 pull_request_template.md	Update and rename pr_template.md to pull_request_template.md	15 days ago


Add a README with an overview of your project.

[Add a README](#)

Check for Conflicts

 base repository: ssnocdingclub/Open-Source-Intro ▾ base: main ▾ ← head repository: dhiganthrao/Open-Source-Intro ▾ compare: fix/issue-1 ▾

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



Restructured names.md

Write

Preview

Issue Description

Please include a summary of the issue.

Changes Made


Restructured names.md

All Submissions:


- ✓ Have you followed the guidelines in our Contributing document?
- ✓ Have you checked to ensure there aren't other open [Pull Requests](#) for the same update/change?
- ✓ My code follows the code style of this organization.


New Feature Submissions:

- ✓ Does your submission pass tests?
- ✓ Have you lint your code locally prior to submission?


Reviewers 

Suggestions


 **thenithinbalaji** [Request](#)

Assignees 


No one—assign yourself

Labels 


None yet

Projects 

None yet

Milestone 

No milestone

Linked issues 

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

Helpful resources



Other commands

Log - <https://www.javatpoint.com/git-log>

Merge - <https://www.atlassian.com/git/tutorials/using-branches/git-merge>

Rebase - <https://www.atlassian.com/git/tutorials/rewriting-history/git-rebase>

Squash -

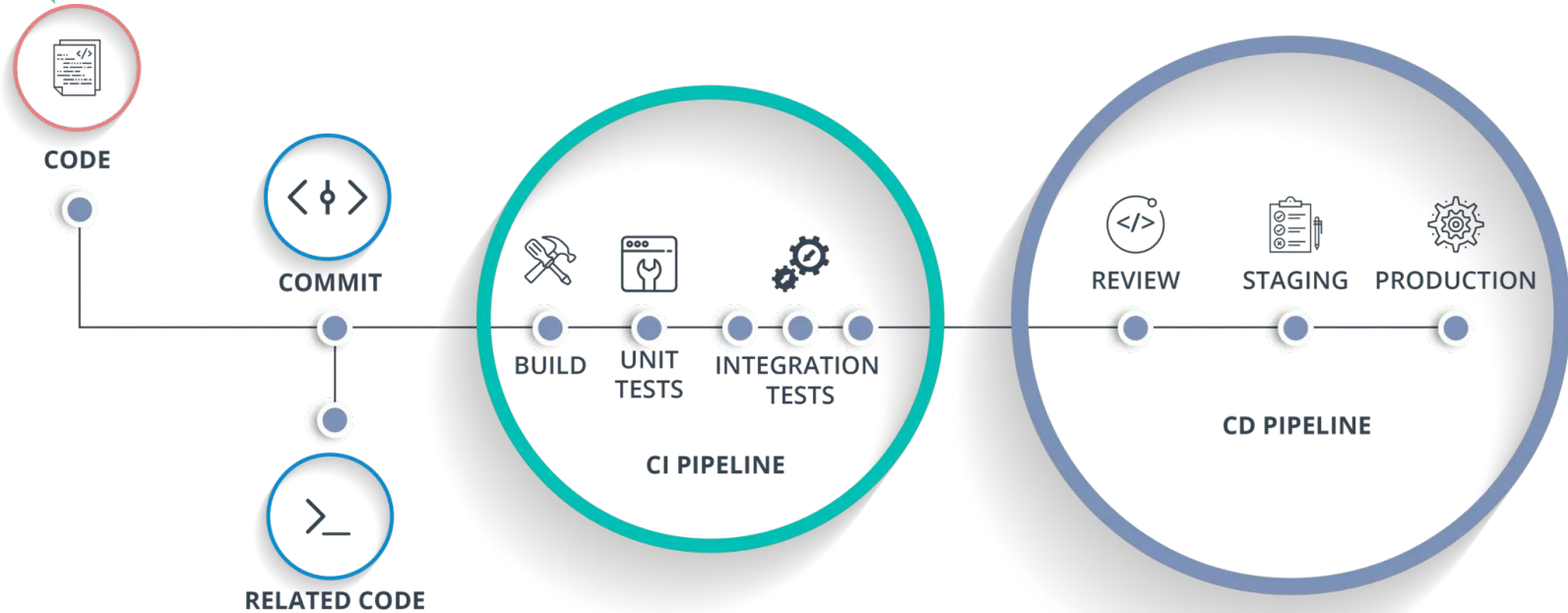
<https://stackoverflow.com/questions/35703556/what-does-it-mean-to-squash-commits-in-git>

Pull - <https://www.freecodecamp.org/news/git-pull-explained/>

Upstream vs Origin -

<https://stackoverflow.com/questions/9257533/what-is-the-difference-between-origin-and-upstream-on-github>

General Open-Source Pipeline (used in companies as well)





Hacktober 20 fest 21

- <https://github.com/vinitshahdeo/Hacktoberfest2021>
- <https://github.com/Sushreesatarupa/DSA-cpp-Hacktoberfest2021>
- <https://github.com/abhpd/hacktoberfest2021>



Resources

- <https://www.youtube.com/watch?v=RG0j5yH7evk>
- <https://lab.github.com/>
- <https://www.atlassian.com/git/tutorials/atlassian-git-cheatsheet>
- <https://www.dataschool.io/how-to-contribute-on-github/>
- <https://stackoverflow.com/questions/35942754/how-can-i-save-username-and-password-in-git>