

Welcome to Codebrew 2020 Git Workshop

1. We will be commencing around 4:05 pm.
2. This workshop has interactive tasks, and you need Git installed in your computer.
3. Go to the link <https://git-scm.com/downloads> or search 'Download Git' in browser if you don't have it.

We would like to pay my respects to the Indigenous people, the traditional custodians of this land where we are meeting upon today. We pay our respects to their Elders past, present and emerging...

Hands-on Git & GitHub



Agenda

Git Basics (15 mins)

- Git 101
- Git Branches
- Changing remotes
- Gitignore

Hands-on Activity (10 mins)

- Merges & Ignores
- Q&A

Git Advanced (35 mins)

- Merge conflicts
- Rebasing
- Rolling back to previous commits
- Recovering deleted GitHub repositories



Absolute Basics

To keep track of your files you need to

1. Stage the files
2. Commit the files
3. Push the files (Only when working with remote)



Useful commands

- Adding and commit in the same line: `git commit -a -m "message"`
- Removing cache: `git rm --cached filename` or `git rm -r --cached`
- Seeing log with only commits: `git log --oneline`

Interactive practice

1. Go to link: <https://github.com/verbal-noun/codebrew-git-practice>
2. Clone the repository and follow the instructions in the Readme.
3. Feel free to ask any questions in the meantime.

Merge Conflicts!

When does Git fail to merge?

Merge conflicts occur when:

1. Same lines in both files have been simultaneously changed.
2. Same line in one of different branches has been removed.
3. New line after the same line has been added in one of the files.

Merge vs Rebase

- When need to preserve commit history as it is, use merge
- You want a more streamlined history, you can use Rebase
- If you want to remove or squash unnecessary commits, Rebase can be used

Revert vs Reset

- Revert adds the change as a new commit.
- Reset removes the commits from Git log.
- You can roll back to multiple commits using reset.

What is Codess?



Share your passion for technology and join the Codess community in a virtual four-day empowerment program with hands-on activities.

Activities Included



- Building your own Power App and Chatbot
- Training an Object Detection Model using AI Builder
- Networking opportunities
- Microsoft swag

Eligibility Criteria



- Identify as female or non-binary
- Currently studying at an Australian University or TAFE
- Have a passion for technology
- Available for all days of the workshop (highly encouraged)

Registration Closes



9 October 11:59 AEST

Thank you for listening

Please ask any questions if you have.

Feel free to connect:



Kaif Ahsan



@verbal-noun