

WEEK 9

COMP(2041|9044)

Can you still be afraid of heights if you could fly?

AGENDA

1. Assignment Tips
2. Git vs Grip
3. Web Scraping

ASSIGNMENT TIPS

The assignment specification doesn't fully explain the assignment - what can I do?

ASSIGNMENT TIPS

- A big part of the assignment is understanding what git does.
- You'll spend more time doing this than implementing subset 0.
- You can also use the the reference implementation 2041 grip to discover what your program is supposed to do in any situation.

ASSIGNMENT TIPS

How hard are the subsets?

ASSIGNMENT TIPS

- Once you understand what you have to do subset 0 is not that hard.
- Subset 1 is a little harder.
- Subset 2 really hard.
- But note the marking scheme recognises the difficulty of subsets 1 & 2.

ASSIGNMENT TIPS

You work on the assignment for a couple of hour tonight.
What do you need to do when you are finished?

ASSIGNMENT TIPS

- Submit the latest version of your code with give.
- Do this every time you work on the assignment.
- Part of the assignment requirements is that you must submit intermediate versions of your code.
- Additionally, submitting your code works as a backup.
- You can view and retrieve previous versions of your files from [the autotest & submission page](#)

GIT VS GRIP

What does git init do?
How does this differ from grip-init?

GIT VS GRIP

- git init creates an empty repository as does grip-init
- git init uses the sub-directory .git
- grip-init uses the sub-directory .grip
- git init creates many files and sub-directories inside the directory .git
- grip-init only needs to create the .grip sub-directory.
- but can create other things inside .grip sub-directory.

GIT VS GRIP

What do git add file and grip-add file do?

GIT VS GRIP

- Adds a copy of file to the repository's index.
- It must be stored in the .grip directory.
- But exactly how you store it is up to you.

GIT VS GRIP

What is the index in grip (and git), and where does it get stored?

GIT VS GRIP

- Files get added to the repository via the index so its sometimes called a staging area.
- It must be stored in the .grip directory.
- exactly how you store it is up to you.
- You might create a directory .grip/index/ and store the files there.

GIT VS GRIP

What is a commit in grip (and git), and where does it get stored?

GIT VS GRIP

- A commit preserves the state of all files in the index.
- It must be stored in .grip.
- exactly how you store it is up to you.
- You might create a directory .grip/commit-number/ and store the files there.

CODE DEMO!

TIME FOR LAB

[Code and Slides Available here](https://github.com/jeremyle56/tutoring/tree/24T2/24T2/cs2041)

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