

Welcome to COMP122

Dr. Steven Fitzgerald

“Steve”

Attendance and Feedback System

- For the first two weeks of class, attendance will be taken for administrative purposes.
- Students who do not attend classes during the first two weeks are subject to administrative withdrawal.
- You are responsible for using the feedback system to record your attendance during the first two weeks of class you have attended class via the following link:

[Feedback System](#)

[Spring23 Feedback System](#)

Today's Material

- Announcements
- Some Philosophy
 - Definition: a theory or attitude held by a person that acts as a guiding principle
- Class Notes
 - notes_08_28.md
 - My notes, but I share!
 - I make mistakes – all the time – but I take steps to fix them as I identified
 - Markdown Viewer
- Command Line Interface (CLI) versus a Graphical User Interface (GUI)
 - The missing semester: <https://missing.csail.mit.edu/>
 - The shell, shell tools and scripting, and the command line environment
 - Version Control (git)
 - Editors (subl) [Sublime Text]
 - A comparison between the CLI and the GUI

But let's go back to the announcements

Quick Overview of: Tools and Resources

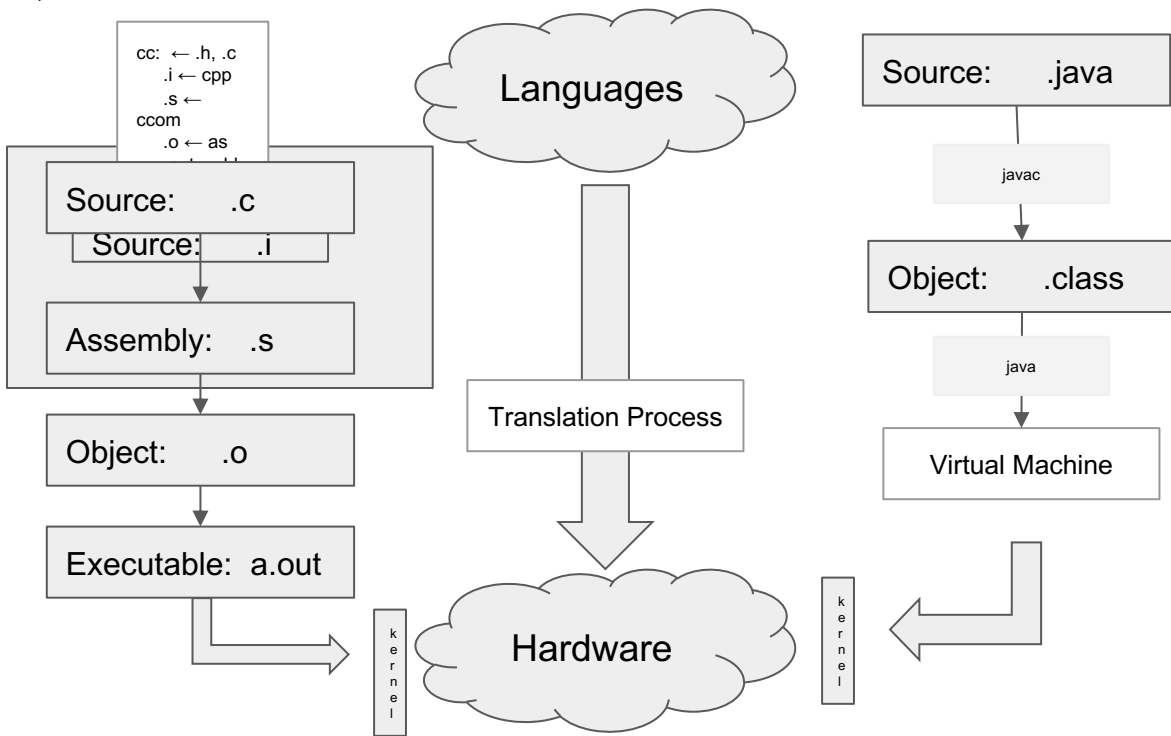
- Sublime Text:
- One Markdown:
- Lecture Slides:
 - “lecture_ordering.md”
 - “slide_presentations/”
 - Currently, they are in the .hidden subdirectory
 - Ask me why!
- Slack: comp122-csun.slack.com
 - channel: #fitzgerald-s23
 - Pins
 - Threads
 - Markdown
 - Code snippets (i.e., no images.)
- GitHub Documents:
 - <https://github.com/COMP122>
 - Invitations URLs: <https://classroom.github.com/a/c1oXvbim>

Administrivia

- Github:
 - <https://github.com/COMP122>
- Class Material Walk Through
 - <https://github.com/COMP122/comp122-f23/blob/main/README.md>
 - `~/comp122/readme.md`
- Syllabus
 - <https://github.com/COMP122/comp122-f23/blob/main/syllabus.md>
 - `~/comp122/syllabus`

Languages, Compilers, and Hardware:

- Languages
 - Domain Specific
- Compilers & Interpreters
 - Analysis
 - lexicographical
 - syntactical
 - semantics
 - Language Optimization
 - Machine Optimization
 - Translation: TAC → MIPS
- Hardware
 - General Types: Registers / Stack
 - Specific CPU Controls
- CLI: compilation exercise



Lab: Walk through:

- Laptop Setup:
 - ~/comp122/setup.md
- Assignments:
 - ~/comp122/deliverables/assignments.md
 - Assignment #1:
 - Public_URL: <https://github.com/COMP122/first-assignment>
 - Invitation URL: <https://classroom.github.com/a/3Oe57wgq>