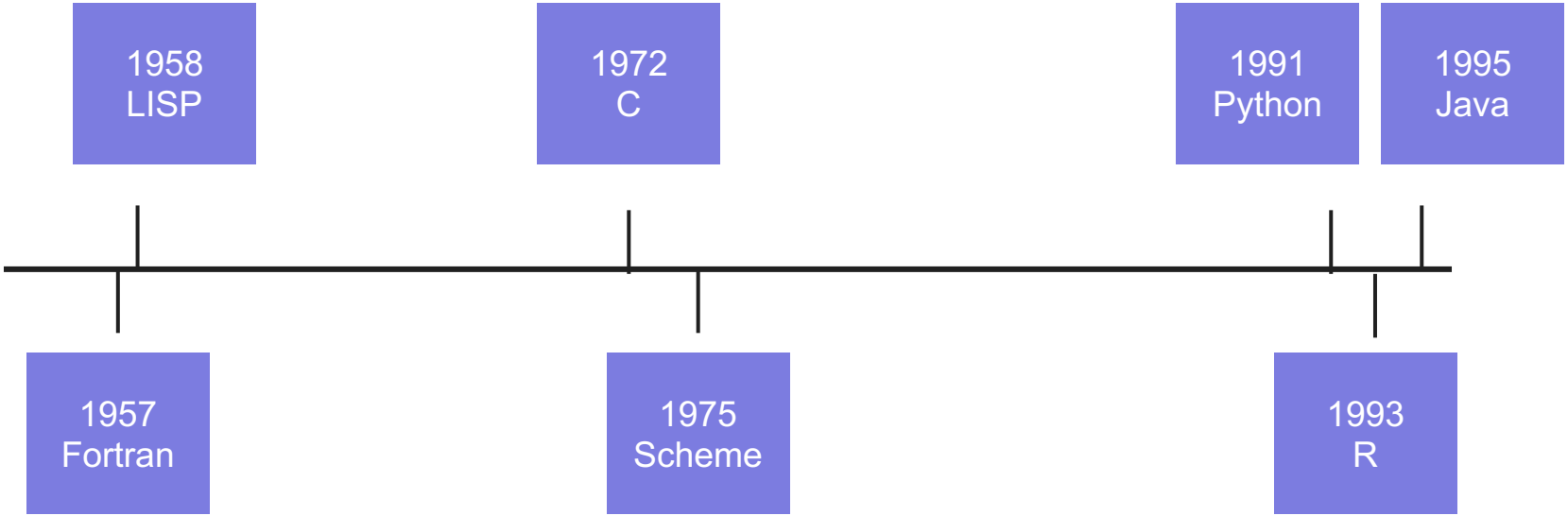
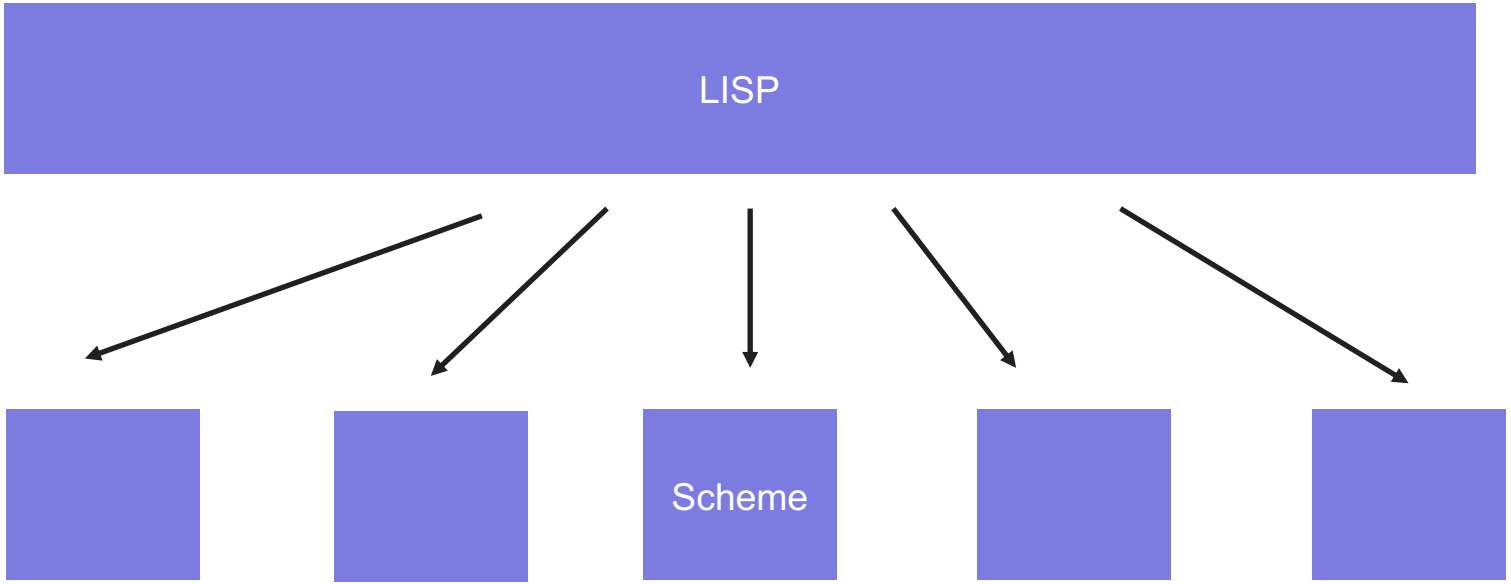
# CSC 151 Spring 2020
# Topic: Wrap Up

**May 6, 2020**

**Day 40**

# A Brief History/Review of Scheme


1958
LISP
1972
C
1991
Python
1995
Java
1957
Fortran
1975
Scheme
1993
R


LISP
Scheme

# Why Scheme?

## Minimalism

> `LISP programmers know the value of everything and the cost of nothing.`
>
> - Alan Perlis

## Lambda Calculus

- Introduced in 1930's by mathematician Alonzo Church
- Based on function abstraction

# Why Scheme?

While you may never use Scheme at a future job, because Scheme was so easy to jump into, you've learned a lot in a short amount of time!

If you go on to take CSC-161, you may appreciate Scheme even more ☺

# Want more love for Scheme?

A song parity about Lisp:

Lyrics: http://www.songworm.com/lyrics/songworm-parody/EternalFlame.html

Song: https://www.cs.unm.edu/~williams/cs257/the_eternal_flame_god_wro.mp3

History of LISP:

http://www.paulgraham.com/lisp.html

Even More Propaganda:

https://www.cs.unm.edu/~williams/cs257/prop.html

# Project Deadlines

~~**Part 1: Project Ideas** *Due on Tuesday April 21*~~
~~Give 3 potential project ideas.~~

~~**Part 2: Project Proposal** *Due on Friday April 24*~~
~~Decide on a data set and describe what you plan to do with it.~~
~~Write about expected work, fall back idea(s), and a reach goal.~~

~~**Part 3: Project** *Due on Tuesday May 5*~~
~~This includes: 1) Implementation of your project (code), and 2) A project report.~~
~~Be sure to read the grading rubric!!~~

**Part 4: Project Presentation** *Due Friday May 8*
Describe the project and show the results.
Be sure to read the grading rubric!

# Part 4: Presentation

The presentation should be fairly short: 3-5 mins in length

**Format:**

**Option 1:** Use Power-point (or equivalent). Power-point has the option to record over slides, this is a built in tool that is fairly straight-forward to use.

**Option 2:** Live Demo of code while talking through it. This option is best suited to a project which produced some sort of "application" which is interesting to see run in real time. (It's less ideal if your project was focused around analyzing data). You could use a tool like Zoom to record video while sharing your code.

**Option 3:** "Board Talk" or "Whiteboard Talk". Again, you could use a tool like Zoom to record yourself explaining your project, optionally sharing a whiteboard screen.

**Suggested Content:**

Who you are
Your goals
Your data (showing a sample line perhaps)
What you accomplished
Don't forget to cite (code, data, pictures)

# Part 4: Presentation

**FAQ:**

Do we all have to talk or be in the video? No – but everyone should contribute to design of the presentation.

**Submission Details:**

Your video should be uploaded to our course Video Channel
It should be uploaded by Friday May 8 at 10:30pm Central Time.

**Technical Difficulties:**

I have used these tools for another course and have not encountered any issues yet.
HOWEVER, please do not postpone attempting to record or upload a video until the last moment, just in case!

# Part 4: Presentation

**Peer Support Extra Credit:**

You will have the chance to watch your peers presentations on our video channel.

For up to 4 of these (or however many more peer supports you have remaining) you can get extra credit.

In your Pweb submission include:

- The names of the presenters and about their project.
- What you like about their project.
- What questions would you ask the presenters?

# Upcoming Work

Presentations due Friday.

Exam 4 will go out on Friday.