Overview

For this extra credit assignment, you will research an esoteric programming language of your choosing (approved by the instructor) and present to the class a summary of what you found.

An **esoteric programming language** is one that was designed just for fun, and not meant for use in any applications. It could also be designed to experiment with weird ideas. More on esoteric programming languages, along with a list of them, may be found here: https://esolangs.org/wiki/Main_Page.

The Presentation

Your presentation should be 7 minutes long or less. Presentations substantially less than 7 minutes will receive little to no credit.

At minimum, your presentation should address the following:

- Give a brief overview of the language.
- Who designed the language and why?
- What does the syntax look like?
- What programming paradigm(s) does the language implement?
- If appropriate, is the language static or dynamic? Explain why.
- How does this language compare to the ones we have learned (SQL, Python, F#, Prolog and Go)? What are the similarities and differences?
- How does it handle memory?
- Show a short but meaningful example (more than "Hello World!"). Live coding would be ideal for this, but is not required.

Feel free to include anything else that you find useful or interesting about the language!

While a number of these languages use swear words, please refrain from doing so in your presentation. Find a professional way to explain the syntax and features of the language.

Submission

There are a few different components you need to submit for this assignment:

- Complete a Google Form by **Tuesday 4/16 at 11:59pm.** You will have to indicate which language you would like to present so that it can be approved. Here is the link: https://forms.gle/9nnAjJ1995U3oiYr5. You will be contacted via email by Wednesday 4/17 at 11:59pm at the latest with an indication of whether or not your language is approved.
- You will be giving your presentation during class on **Tuesday 4/23**.
- Submit your presentation slides to Gradescope by **Tuesday 4/23 at 11:59pm.**

No late submissions will be accepted for this assignment.

Grading

A rubric for the presentation will be available at a later date.

Your score on this assignment will be translated into its equivalent out of 3 percentage points, which will be then added onto your final grade (after all assignments and the final exam have been entered) which will be capped at 100%. Here are a few examples:

- Your final score in the class is 93%. You earned 80% on this extra credit assignment. This translates to 2.4 percentage points (80% of 3). After adding extra credit, your final grade is 95.4%.
- Your final score in the class is 79%. You earned 50% on this extra credit assignment. This translates to 1.5 percentage points (50% of 3). After adding extra credit, your final grade is 80.5%.
- Your final score in the class is 98%. You earned 100% on this extra credit assignment. This translates to 3 percentage points (100% of 3). After adding extra credit, your final grade is 100% (it would have been 101% but it is capped at 100%.

Academic Integrity

All work is to be done individually — group work is not allowed.

While we encourage you to talk to your peers and learn from them, this interaction must be superficial with regards to all work submitted for grading. This means you cannot work in teams, you cannot work side-by-side, you cannot submit someone else's work (partial or complete) as your own, etc. The University's policy is available here: https://dos.uic.edu/community-standards/

In particular, note that **you are guilty of academic dishonesty if you extend or receive any kind of unauthorized assistance**. Absolutely no transfer of program code between students is permitted (paper or electronic), and you may not solicit code from family, friends, or online forums (e.g. you cannot download answers from Chegg). Other examples of academic dishonesty include emailing your program to another student, sharing your screen so that another student may copy your work, copying-pasting code from the internet, working together in a group, and allowing a tutor, TA, or another individual to write an answer for you.

Academic dishonesty is unacceptable, and penalties range from a letter grade drop to expulsion from the university; cases are handled via the official student conduct process described at the link above.