

Software Design – Code Presentation

Points: 10

Due Date: Monday, December 5

For this assignment you will be assigned a language structure from Python, Java, or C++. Your task is to create a brief presentation (3 – 4 minutes) where you describe the structure and then explain a bit of code that uses that coding structure. You must have a visual that includes the code that you are explaining. You may include other visuals as well.

You will give the presentation over Zoom. You will have your visuals up on your computer and you will share your screen with the class. You can either attend class in person or attend remotely – that will be your choice.

A random draw will determine the order of the presentations. Presentations will begin on Monday, December 5. We will do as many presentations as we can on Monday and will finish on Tuesday.

Code Structure Assignments.

- Python list comprehension – Tristan
- Java object wrappers and autoboxing – Chase
- Java Regular Expressions – Carson
- Python one line if statement using a ternary operator – Connor
- Python function as a parameter to another function – Sydney
- Java Lambda expression – Brodie
- Java enumerated type – Paige
- C++ pointer variables - Kenyon
- Java printing with a format string – Levi
- Java how to read the content of a web page into a String variable –
- How to use the Python NumPy library – Sam