Part 1:

Create a git repository containing a 'hello world' program in python.

Part 2 (graded on participation): Solve the following programming problems to the best of your ability. If you don't understand a concept, make a note and include it in your submission comments.

Part A: Hello World

Write Hello World.

Part B: Write a program that reads a text file and outputs the text file with line numbers at the beginning of each line.

Part C: Write a program that accepts a number N from stdin and prints out the volume of a sphere with radius N meters.

Part D: Write a program that uses recursion to compute the factorial of 10.

Part E: Write a program that iterates through all numbers <50 and determines if they are prime or not.