Lab 01

Section 1: Software installation and setup

1. If you are using windows, turn on WSL (windows subsystem for linux), and if necessary upgrade to WSL2
2. Download installers and install the following software:
    a. anaconda python (go ahead and add that to your path)
    b. git (recommend checkout as-is, commit unix-style)
    c. vscode
    d. pgadmin
    e. docker desktop
    f. github desktop

Section 2: Git exercise (graded)

1. Create a github account and send your username and email to Shanti and Angelique
2. Navigate to the repository https://github.com/FoundationsOfAnalytics-INFO574/Fall2023_INFO574
3. Create your own branch with your github username (include a readme)
4. Clone the repo to your local device
5. Checkout your branch
6. Modify the readme, In the body of your readme provide some fun information, be sure to include your name
7. Commit your changes and push them up to the remote server

Section 3: Python exercise (graded)

1. In a jupyter notebook (.ipynb) complete the *FizzBuzz* problem.

    FizzBuzz

Iterate the integers 1 through 30 inclusive. Print numbers on their own line. However, if a number Is evenly divisible by 3, rather than the number, print Fizz. When the number is evenly divisible by 5, rather than the number print Buzz. Finally, if the number is evenly divisible by both 3 and 5, instead of the number, print FizzBuzz.

2. Commit your notebook to your git branch and push it to the remote.

Section 4: Docker exercise (not graded)

1. Pull the latest postgres image from dockerhub (docker pull postgres should do the trick)
2. Using the documentation for the image, run the container
3. Check that the container has started