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**Experiment 1:**

**Using Software Tools and Code Versioning System**

CPE106L (Software Design Laboratory)

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## **PreLab**



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| **Readings, Insights, and Reflection**  Lee, Fernandez, and Taguiam (Professional Git)  In the book Professional Git, Chapter 1, we learned what Git is and why it is important in the current status of software development. We learned that it is a control system that is distributed to handle small to large projects with high efficiency. It allows for multiple people to work on a project simultaneously, even when they are in different countries. It allows for these different people to have different versions, see changes and edits, and just manage the project a lot more effectively and efficiently.  Lee, Fernandez, and Taguiam (Fundamentals of Python: Data Structures , 2nd Edition)  In the first chapter of the book Fundamentals of Python, the author Kenneth Lambert discusses and emphasizes how Python is easy to learn and is readable, making it a great choice for beginners. He then starts to introduce the basic syntaxes and concepts of Python like data types and arithmetic operators and moves on to discuss the control structures such as if-else statements.  Lee, Fernandez, and Taguiam (Git, Anaconda and Visual Studio Code)  In Git, we learned how to create our own repository in GitHub. We learned how to share it and clone it in our own Virtual Machines. We first had to change in GitHub, the link from ssh to https, as it won’t clone in the VM’s terminal if it is set to ssh. For Anaconda, we learned how to install into our terminal and use the other syntaxes in it and learned some of the concepts in it. |