CPE_Group9 CPE106L/B3

Engr. Dionis Padilla April 29, 2024

LABORATORY EXERCISE #7

[PreLab] - The leader of the group will collect the insights and reflections of each member and put them in one MS Word document. You can come with your own document format (cover page, etc.). You can refer to the below websites:

· METIS Book: Lambert, K. A. (2023). Fundamentals Of Python: First Programs (3rd ed.). Cengage Learning US. https://bookshelf.vitalsource.com/books/9780357881132

· Getting started — Matplotlib 3.8.0 documentation · Beautiful Soup: Build a Web Scraper With Python – Real Python · Lab 7 Pertinent Files >> Lab7 [InLab] - Perform the exercises using this Chapter 11 Data files and Lab 7 Pertinent File Using API and Web Scraping >> Lab7

Readings, Insights, and Reflection:

- Torres, Nicole Allyson B.
  " Lambert's 'Fundamentals Of Python: First Programs (3rd ed.)'" is intended for an introductory programming and problem-solving course. The book introduces basic Python syntax, covering variables, data types (strings, integers, lists, dictionaries, etc.), operators, and control structures like if statements and loops. These early chapters aim to familiarize me with the fundamental building blocks of Python code, laying the groundwork for more complex topics. As learners progress through the book, Lambert will likely delve into more advanced concepts such as functions and modules. In this chapter, we can expect to learn how to define and use functions in Python, including understanding parameters, return values, and the importance of code modularity. The exploration of modules introduces learners to the concept of code reuse, showing how to leverage existing libraries and create modular, maintainable code. File handling is also another significant aspect covered in Lambert's book. It can anticipate learning how to read data from files, write data to files, handle different file formats, and manage exceptions related to file operations. This practical knowledge is crucial for working with real-world data and building data-driven applications. Lambert likely includes numerous

practical programming examples, exercises, and mini-projects throughout the book. These examples reinforce theoretical concepts and encourage readers to apply their knowledge to solve programming challenges.

- Pangilinan, Cromuel
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- Gavino, Karl Ignatius G.
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- Alonzo, Xavier
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