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**Experiment 2:**

**Strings, Lists, Tuples, and Dictionaries**

CPE106L (Software Design Laboratory)

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## **PreLab**



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| **Readings, Insights, and Reflection**  Lee, Fernandez, and Taguiam  In Lab 2, we mainly dealt with strings, lists, tuples, and dictionaries. With strings, we learned basic syntaxes and applications of string. String is basically a data type that accepts any input and can be hardcoded by putting the data inside a parenthesis (). Lists are used to store multiple different data into one single variable. Lists allow for duplicate data, is ordered, and can be changed as well. This means that a list’s contents will not change in order. You can also choose to change the data once it is created. Tuples are also used to store multiple different data into one variable like a lists, except that a tuple is ordered, unchangeable, and allows duplicated, meaning you cannot edit it once it is created. Lastly, a dictionary is ordered, changeable, but does not allow duplicates. It is also paired, meaning that there is a key and its pair.  **Answer to Questions**  1. b. 20  2. b. [20, 30]  3. a. 1  4. b. [10, 20, 30, 40, 50]  5. b. [10, 5, 30]  6. c. [10, 15, 20, 30]  7. b. ["name", "age"]  8. b. None  9. b. pop  10. b. strings and tuple |
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