**CSE 212 – Programming with Data Structures**

**W10 Prove – Response Document**

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**Question 1: Provide the outline for the data structures tutorial you are creating for the final project. Use the Python Fundamentals Tutorial outline provided in the assignment instructions as an example.**

So basically, what I need to do is create a tutorial of data structures. What they are, what they’re used for, examples of how they are used, and how to use them in python.

Data structures I’ll use

1. Queue
   1. Introduction
   2. Drive-through queues
   3. Web server queues
   4. Reader/Writer queues
   5. Example
   6. Problem to solve
2. Linked list
   1. Introduction
   2. Inserting data into a linked list
   3. Removing data from a linked list
   4. Accessing data from a linked list
   5. Example
   6. Problem to solve
3. Tree
   1. Introduction
   2. Binary Search Tree (BST)
   3. Balanced BSTs
   4. Inserting data into a BST
   5. Accessing data from a BST
   6. Example
   7. Problem to solve