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| **Activity No. <n> <title>** | |
| **Course Code:**  CPE 201L | **Program:** BS CPE |
| **Course Title:**  Data Structure and Algorithm | **Date Performed:** 08/30/2025 |
| **Section:** 2A | **Date Submitted:** 08/30/2025 |
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| 1. **Objectives** | |
| 1. Choose only one (1)Data Structure (Array, Linked-List(Singly, Doubly), Stack, Queue 2. 2. Create a python program that appends each character of your FullName and traverse each character. 3. Save your Python Program as Skill-Test in your Colab and Github. | |
| **2. Discussion** | |
| In this Skill Test I recall using Array and some built in functions in the python programming language. | |
| **3. Materials and Equipment** | |
| Google Colab and Github   * **Google Colab – to create the source code (IDE)** * **Github – where we save the file created in Google Colab** | |
| **4. Procedure** | |
| I firstly pick what type of data structure I will use (Array), and then ask myself how will I append data and traverse it, firstly I used the what we call brute force method to create and array and then append the full name then traverse it, next, I use the built in module of array and import it to the IDE and do it in simpliest form. | |
| **5. Output** | |
| Screenshot of your outputs based on the procedures.    ***Figure 1***  **This is the First Source code I created.**    **Figure 2**  **Using Array Module** | |
| **7. Conclusion**  In summary, this Skill Test helps me to recall some function, data types and built in modules that are inside the python programming language that I can use in real life problems and some sub projects I’m doing. | |
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