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| **Midterm – Test Skill** | |
| **Course Code:** CpE 201L | **Program:** BSCpE |
| **Course Title:** Data Structure and Algorithm | **Date Performed:** September 06, 2025 |
| **Section:** BSCpE 2-B | **Date Submitted:** September 06, 2025 |
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| 1. **Objectives** | |
| * To display all data * To append a node * To reverse a linked list of integers | |
| **2. Discussion** | |
| A linked list is a linear structure where node or the elements are connected. Each nodes is connected to the next node, and so on till to the last node. This Test skill activity shows how nodes are connected to the next one, and also it shows all data, append nodes, and reverse the linked-list ( singly )of integers. | |
| **3. Materials and Equipment** | |
| * Python ( Programming Language used ) * Python Colab ( website use in coding ) * Laptop ( Equipment used ) * Mouse ( Equipment used to navigate the monitor ) | |
| **4. Procedure** | |
| * Define the class of nodes to the next one. * Create a Linked-List class where it will display all data, append a node, and reverse a linked list of integers. * Display all the data * Append a node * Reverse the linked list (integers) | |
| **5. Output** | |
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| **6. Conclusion** | |
| This Test skill successfully demonstrate how linked-list ( singly ) work, and demonstrate and display all the data, append the nodes, and successfully reverse the linked-list ( singly ) of integers. | |
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