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| --- | --- | --- | --- | --- | --- |
| Experiment Number | Experiment Name | Date of Experiment | Date of Checking | Marks | Signature |
| 1 | **1.1** WAP to perform linear search on the given set of Array.  **1.2** WAP to perform binary search on the given set of Array.  **1.3** WAP to copy odd position and even position elements from Array 1 and Array 2 respectively to Array 3. | 16.9.2021 | 23.9.2021 |  |  |
| 2 | **2.1** WAP to implement sparse matrix using array.  **2.2** WAP to find the transpose of the 2D Matrix.  **2.3** WAP to reverse the given set of Array. | 23.9.2021 | 30.9.2021 |  |  |
| 3 | **3.1** WAP to implement push and pop operations on stack using Arrays.  **3.2** WAP to implement reverse of a string using stack.  **3.3** WAP to implement reverse of a stack. **3.4** WAP to implement infix to postfix. **3.5** WAP to implement parenthesis matching. | 30.9.2021 | 7.10.2021 |  |  |
| 4 | **4.1** WAP to implement a simple Queue.  **4.2** WAP to reverse a Queue.  **4.3** WAP to implement a Stack using Queue operations.  **4.4** WAP to reverse a Queue using Stack.  **4.5** WAP to implement a Queue using Stack operations. | 7.10.2021 | 14.10.2021 |  |  |
| 5 | **5.1** WAP to Insert a new node at specified position in a linkedlist. **5.2** WAP to Delete of a node with a specified position in a linkedlist. **5.3** WAP to reverse linked list. **5.4** WAP to merge 2 link lists.  **5.5** WAP to sort the given linked list.  **5.6** WAP to sort the given linked list. | 14.10.2021, 21.10.2021 | 28.10.2021 |  |  |