

| CS/DSC/P/ 227: Practical based on CS/DSC/P/ 201 (based on Data Structure) | |
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| <div> <div>Total Credits : 02</div> <div>Total Contact Hours : 60 Hrs</div> </div> | |
| Maximum Marks : 50 | |
| List of experiments | |
| 1 | Program to insert, delete an element into an array |
| 2 | Program to search for an element in an array (Linear Search, Binary search) |
| 3 | Program to sort an array using Bubble Sort, Selection Sort, Insertion sort |
| 4 | Program to reverse a string |
| 5 | Program to demonstrate Singly Linked List using C. |
| 6 | Program to implement a Doubly Linked List (insertion, deletion, traversal) |
| 7 | Program to implement a stack using an array |
| 8 | Program to implement a stack using a linked list |
| 9 | Program to implement a queue using an array |
| 10 | Program to implement a queue using a linked list |
| 11 | Program to create and traverse a Binary Tree (Inorder, Preorder, Postorder) |
| 12 | Program to create and traverse a Binary Tree (Inorder, Preorder, Postorder) |


