

Department of Comp.Sci

DATA STRUCTURE WITH C/C++ Lab

B.Sc (CS) 4th SAM

List of Experiments

DATA STRUCTURE PRACTICAL

1. To search an element in the array using Linear Search.
2. To search an element in the 2-dimensional array using Linear Search.
3. To merge two sorted array into one sorted array.
4. To perform the following operation in Matrix
Addition 2. Subtraction 3. Multiplication 4. Transpose
5. To perform the swapping of two numbers using call by value and call by reference.
6. To perform following operation on strings using string functions
1. Addition 2. Copying 3. Reverse 4. Length of String.
- 7(a). To search an element in the array using Iterative Binary Search.
- 7(b). To search an element in the array using Recursive Binary Search.
8. To implement Bubble Sort.
9. To implement Selection Sort.
10. To implement Insertion Sort.
11. To implement Quick Sort.
12. To implement Merge Sort.
13. To implement Stack using array.
14. To implement Queue using array.
15. To implement Linked List.



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