

Data Structures Laboratory

For **BCA 2nd Semester**
Assignment 1

Compiled

By

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All the students of BCA 2nd Semester have to submit this Assignment 1 on or before 20. 04. 2020.

Guidelines:

- You can use DEV C++, Turbo C++ or any other software to compile & run your code.
- It is necessary to prepare this assignment in MS Word.
- Every Solution must contain: Problem with serial number (as given in Assignment-1), Solution Code and Solution Output.
- Email your Solution of Assignment 1 to banerjeesakhi18@gmail.com on or before 20.04.2020

1. Write a program to insert an element at any position of an array.
2. Write a program to delete an element from any position of an array.
3. Write a program to merge two arrays.
4. Write a program to create a linked list and traverse the entire list.
5. Write a program to insert an element at the beginning of the list.
6. Write a program to insert an element at the end of the list.
7. Write a program to insert an element at any position of the list.
8. Write a program to count the number of nodes of a Linked List.
9. Write a program to reverse a Linked List.
10. Write a program to merge two Linked Lists.
11. Write a program to delete an element from the beginning of the list.
12. Write a program to delete an element from the end of the list.
13. Write a program to delete an element from any position of the list.
14. Write a program to delete all element of a list.
15. Write a program to implement Doubly Linked List.
16. Write a program to implement Circular Linked List.