Assignment 1

Due date : 11 August : 1:00 PM

1. Define data structures .Give some examples.

2. In how many ways can you categorize data structures? Explain each of them.

3. Explain the structures of data structures.

4. Write a short note on different operation that can be performed on data structures.

5. Write a short note on abstract data type.

6. Explain the different types of data structures. Also their merits and demerits

7. which technique of searching an element in an array would you prefer to use and in which situation?

8. Explain binary search with the help of suitable example

Also write algo. And discuss time complexity.