Data Structures And Algorithms

Combination of Data Structures and Algorithms

Data Structures: It is defined as data organisation, management, and storage in our devices to use the data efficiently and effectively.

Data Structures include:

- 1. Linked list
- 2. Matrix
- 3. Array
- 4. Stack
- 5. Queue
- 6. Heap
- 7. Hash
- 8. Graph
- 9. Tree
- 10. String

Algorithm: An algorithm is a finite sequence of well-defined instructions typically used to solve a particular group of problems or to perform a specific type of calculation.

Algorithms include:

- 1.Divide and conquer
- 2.Searching
- 3.Sorting
- 4.Pattern searching
- 5.Greedy
- 6.Recursion
- 7.Backtracking
- 8. Dynamic Programming

What do we cover?

- 1. Complexity
- 2. Data Structures
- 3. Algorithms