Data Structure and Algorithm

Updated Study Material

Course Overview

Data Structures organize data efficiently, and Algorithms provide step-by-step solutions to computational problems.

Chapter 1: Introduction to Data Structures

Common data structures include arrays, stacks, queues, and linked lists.

Example: Array to store student marks.

Chapter 2: Introduction to Algorithms

Algorithms define logical steps to solve problems efficiently.

Example: Steps to find the largest number in a list.

Chapter 3: Searching and Sorting

Searching finds data, while sorting arranges data in order.

Practice Questions

1. What is a data structure?
2. Name any one searching technique.