

logical, assignment

4. ***Control Structures***: Conditional statements (if/else), loops (for, while), functions

5. ***Arrays***: Collections of elements of the same data type

6. ***Object-Oriented Programming (OOP)***: Classes, objects, inheritance, polymorphism

Algorithms and Data Structures

1. ***Algorithm Analysis***: Big O notation, time complexity, space complexity

2. ***Sorting Algorithms***: Bubble sort, selection sort, insertion sort, merge sort

3. ***Searching Algorithms***: Linear search, binary search

4. ***Data Structures***: Arrays, linked lists, stacks, queues, trees, graphs

5. ***Hash Tables***: Key-value pairs, collision