

## Exam Preparation: Data Structures

### Key Points:

- Definition of data structures
- Types of data structures
- Importance of choosing the right data structure
- Significance of understanding data structures in computer science

### Types of Data Structures:

- Arrays
- Linked Lists
- Stacks
- Queues
- Trees
- Graphs

### Importance of Choosing the Right Data Structure:

- Efficiency in program execution
- Memory management
- Performance optimization

### Significance of Understanding Data Structures in Computer Science:

- Writing efficient programs
- Problem-solving skills
- Algorithm design and analysis