

IntelliQuest

Interview Preparation Pack

Coding Questions • CS Notes • Technical Cheat Sheets

Prepared by IntelliQuest Technical Team

1. Introduction

The Interview Preparation Pack is designed to help students and working professionals strengthen their technical fundamentals and excel in coding interviews. This pack includes curated coding questions, CS notes, and quick-access cheat sheets essential for placement preparation and software engineering interviews.

2. Coding Interview Questions

This section includes:

- Pattern-based coding questions
- String manipulation problems
- Array and matrix challenges
- Recursion and backtracking questions
- Dynamic programming problems
- Logical reasoning and puzzles

The questions are designed to simulate real interview environments and enhance problem-solving speed.

3. CS Fundamentals Notes

The pack provides easy-to-understand notes for:

- Operating Systems
- Computer Networks
- Database Management Systems
- Object-Oriented Programming
- Compiler Basics

These notes summarize key concepts frequently asked in technical interviews and exams.

4. Cheat Sheets Included

Each cheat sheet provides fast revision material and structured explanations.

- 4.1 DSA Cheat Sheet
- 4.2 SQL Cheat Sheet
- 4.3 Operating Systems Cheat Sheet
- 4.4 Networks Cheat Sheet
- 4.5 OOP Cheat Sheet

• Time complexities

• Sorting algorithms

• Trees, graphs, stacks, queues

• Joins

• Aggregations

• Subqueries

• Indexing

• Process scheduling

• Memory management

• Deadlocks

• Routing basics

• HTTP/HTTPS

• Principles

• Design patterns

• Real-world examples

5. Benefits of Using This Pack

- Faster interview preparation
- Quick revision before technical rounds
- Improved understanding of key CS concepts
- Real-world interview-style questions
- Structured

learning material

6. Conclusion

The IntelliQuest Interview Preparation Pack is a complete guide for learners looking to excel in technical interviews. With coding practice, conceptual notes, and visual cheat sheets, it offers everything needed to prepare efficiently and confidently.