# 31 90mb sql server interview question and answer part 5

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Ace Your SQL Interview: A Comprehensive Guide\*\*

#### **Preparing for the Interview**

- Master the Fundamentals: Focus on core SQL concepts such as data types, tables, queries, and subqueries.
- **Practice Hands-On Queries:** Write SQL queries to solve common interview questions like fetching worker names with specific salary ranges.
- Review Tricky Questions: Prepare for challenging questions that test your logical thinking and creativity.

#### **During the Interview**

- Optimize Your Queries: Demonstrate your optimization skills by improving the performance of example queries.
- Handle Duplicate Data: Explain techniques for identifying and removing duplicate rows.
- Understand Key Concepts: Be familiar with concepts like unique keys, primary keys, and CTEs.

#### **Common Interview Questions**

• Fetch Salaries Greater Than 10,000: Write a query to retrieve salaries above a specific threshold.

- Find the Third Highest Salary: Explore multiple methods for calculating the third highest salary.
- **Identify Foreign Keys:** Explain the concept of foreign keys and how they relate to table connections.
- **Second Highest Salary:** Write a query that retrieves the salary value just below the maximum.
- **Subqueries and Joins:** Discuss the differences between subqueries and joins, and when to use each one.

### **Advanced Topics**

- Confusing Query Optimizer: Understand techniques to challenge the SQL Server query optimizer.
- Row Number Function: Learn about the ROWNUM function and its uses in queries.
- **Triggers and CTEs:** Explain the purpose and implementation of triggers and common table expressions (CTEs).
- Data Integrity: Discuss the importance of data integrity and how to ensure it through constraints.
- Complex Comparisons: Write queries that compare multiple columns or use operators like ">" and "<=" in complex scenarios.

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