



MICROSOFT TRAINING

DP-080: Querying Data with Microsoft Transact-SQL — Practice Questions

Ace your DP-080 exam! Master querying data with Microsoft Transact-SQL through targeted practice questions.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intensive 2-hour course, "DP-080: Querying Data with Microsoft Transact-SQL — Practice Questions," is meticulously designed to sharpen your Transact-SQL (T-SQL) querying skills, specifically preparing you for the challenges of the Microsoft DP-080 exam. Through a concentrated series of practice questions, you will delve into the core syntax and advanced functionalities of T-SQL as applied to Microsoft SQL Server environments. The curriculum focuses on robust data retrieval, manipulation, and optimization techniques crucial for any data professional working with Microsoft's database platforms. It's an ideal deep dive for those looking to validate their T-SQL expertise or reinforce their understanding of complex querying scenarios. This course covers the essential building blocks of T-SQL, including selecting, filtering, joining, aggregating, and modifying data. It also introduces more advanced topics such as subqueries, Common Table Expressions (CTEs), and window functions, all presented in a practice-oriented format. By working through these questions, you'll not only enhance your technical proficiency but also develop a strategic approach to problem-solving within a database context. The structured practice environment ensures you gain the confidence and hands-on experience necessary to excel in database development, administration, or data analysis roles, making your T-SQL skills highly valuable in the job market.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	DP-080

COURSE CURRICULUM

01 Module 1: Core T-SQL Data Retrieval Practice

- SELECT statement syntax and best practices
- Filtering data with WHERE clause (operators, logical conditions)
- Sorting query results using ORDER BY (single and multiple columns)
- Using built-in functions for string, date, and numeric manipulation
- Handling NULL values and their impact on query results

02 Module 2: Aggregation and Grouping Practice

- Applying aggregate functions (SUM, AVG, COUNT, MAX, MIN) for summarization
- Grouping data with the GROUP BY clause
- Filtering grouped data using the HAVING clause
- Distinguishing between WHERE and HAVING clauses
- Implementing DISTINCT keyword for unique value retrieval

03 Module 3: Joining and Combining Datasets Practice

- INNER JOIN: retrieving matched rows from multiple tables
- OUTER JOINS: LEFT, RIGHT, and FULL for unmatched data
- CROSS JOIN and SELF JOIN applications
- Combining result sets with UNION, UNION ALL, INTERSECT, and EXCEPT
- Understanding join conditions and performance implications

04 Module 4: Subqueries and CTEs Practice

- Scalar subqueries for single value retrieval
- Multi-value subqueries using IN, EXISTS, ANY, ALL

- Writing correlated subqueries for row-by-row processing
- Introduction to Common Table Expressions (CTEs) for query readability and recursion
- Nesting subqueries and CTEs for complex data retrieval

05 Module 5: Data Modification and Advanced Querying Practice

- INSERT statements for adding new records (single and multiple rows)
- UPDATE statements for modifying existing data (single and multi-table updates)
- DELETE statements for removing records (with and without JOINS)
- Introduction to Window Functions (ROW_NUMBER, RANK, NTILE, LEAD, LAG)
- Basic concepts of PIVOT and UNPIVOT for data transformation

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **SQL Database Developer**
- > **Junior Data Analyst (SQL-focused)**
- > **SQL Server Administrator Assistant**

FREQUENTLY ASKED QUESTIONS

Q: How specifically does this 'Practice Questions' course prepare me for the actual Microsoft DP-080 certification exam?

This course is entirely focused on providing a concentrated series of practice questions that mirror the type and complexity of queries found in the DP-080 exam. Each module covers a specific domain of T-SQL querying, presenting scenarios that test your understanding of syntax, logic, and common pitfalls. By working through these targeted questions, you will not only solidify your T-SQL knowledge but also become familiar with the exam's format and develop efficient problem-solving strategies under simulated conditions, boosting your confidence for the actual certification attempt.

Q: What prior T-SQL or database experience is recommended before enrolling in this DP-080 Practice Questions course?

While this course is designed for practice, a foundational understanding of relational databases and basic T-SQL concepts is highly recommended. You should be familiar with database tables, columns, primary/foreign keys, and have some exposure to writing simple SELECT, WHERE, and JOIN statements. This course is ideal for those who have completed introductory SQL training or have some hands-on experience and are now looking to refine their skills and prepare specifically for the DP-080 certification.

Q: Beyond exam preparation, what practical, real-world T-SQL skills will I solidify through these practice questions?

Through these practice questions, you will solidify critical real-world T-SQL skills essential for any data-focused role. You'll master efficient data retrieval using complex filtering and sorting, learn to combine diverse datasets accurately with various join types, and effectively summarize data using aggregation and grouping. Furthermore, you'll gain expertise in data modification (INSERT, UPDATE, DELETE) and advanced techniques like subqueries and CTEs, which are vital for developing robust database solutions, generating insightful reports, and maintaining data integrity in professional environments.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

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15+

Years of Excellence

10,000+

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50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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