

# Oracle Training: SQL Data Analysis with Toad Advanced (SQLTOA, 4 jours)

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## Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

## Plan de cours

### Working with Toad (Brief Overview)

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- Overview of the Toad Environment
- Organizing File with Toad
- Writing Scripts with Toad
- Debugging Scripts with Toad
- Exploring Toad’s Functional Capabilities
- Configuring Toad to Work for You

### Relational Database Essentials

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- Relational Database Concepts » Tables, Fields and Rows
- Understanding Data Normalization
- About Entity Integrity: Primary Keys
- About Referential Integrity: Foreign Keys
- About Domain Integrity: Checks and Defaults
- Overview of Oracle Data Storage Structures and Performance Implications

### Retrieving Data

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- The Anatomy of the Retrieving Data
- Writing Effective Where Statements
- Working with Point and Range Queries
- Writing Multi-Table Statements: Exploring Joins
- Using Regular Sub-Queries
- Using Correlated Sub-Queries
- Comparing Performance Profiles

### Mastering Aggregate Calculations

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- The Anatomy of Aggregate Value Calculations
- Exploring Group By
- Exploring Oracle Aggregate Functions
- Dealing with Multiple Tables

### Modifying Data

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- Adding Data
- Modifying Data
- Removing Data
- Working with Multiple Records
- Performing Bulk Operations

### SQL Common Tasks

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- Working with Automatic Increments
- Working with Strings
- Working with Dates and Time
- Working with NULL Values

Working with Numeric Data Types

## Advanced Tasks

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Identifying Duplicate Values

Generating Rank

Generating Median

Generating Running Totals

Generating Percent To Total

Generating Cumulative Percent To Total

## Mastering Oracle Analytics

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About Statistics

About Regular Tables and IOTs

Generating Execution Plans

Performance Considerations: Exploring Sorting Strategies

Performance Considerations: Exploring Filtering Strategies

Performance Considerations: Exploring Join Strategies

Performance Considerations: Using Parallel Queries

## Working with Optimizer Hints

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Overview of Optimizer Hints

Join Order Hints

Join Method Hints

Access Path Hints

Parallelization Hints

## Creating Stored Procedures

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The Performance Advantages of Stored Procedures

Creating Stored Procedures

Working with Input Parameters

PLSQL Programming Essentials

Storing Stored Procedures

Putting it All Together