

# informat®tech



IT MANAGEMENT AND CYBER SECURITY | IMCS-008

# Oracle SQL & PL/SQL Development Masterclass

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# Course content

## Why Attend

Why Attend Strong SQL and PL/SQL skills are essential for working with Oracle systems, reporting tools, and enterprise applications. This course helps participants build efficient queries, automate tasks, and develop database procedures.

Course Methodology Hands-on exercises, coding labs, demonstrations, workshops, and practical assignments.

## Course Objectives

- Write effective SQL queries
- Use joins, subqueries, and functions
- Develop PL/SQL blocks and procedures
- Handle exceptions and cursors
- Improve code performance

## Target Audience

- Developers
- Analysts
- Database Users
- Technical Staff

## Target Competencies

- SQL Querying
- PL/SQL Programming
- Reporting Skills
- Data Analysis

# Course content

## Target Competencies

- Code Optimization

## Course outline

### Day 1: SQL Foundations

- SELECT statements
- Filtering and sorting
- Functions and expressions
- Data types

### Day 2: Advanced SQL Techniques

- Joins and unions
- Subqueries
- Grouping and aggregation
- Analytical queries

### Day 3: PL/SQL Fundamentals

- Anonymous blocks
- Variables and control structures
- Loops and conditions
- Basic procedures

### Day 4: Advanced PL/SQL Development

- Functions and packages
- Cursors
- Exception handling

# Course content

## Course outline

- Triggers basics

### **Day 5: Performance and Best Practices**

- Query optimization
- Debugging techniques
- Secure coding practices
- Final coding workshop

# Seminar dates

## Available seminar dates

Live dates and pricing for Oracle SQL & PL/SQL Development Masterclass generated from the course details page.

Date	Location	Format	Fee
Dates on request	Venue on request	Classroom	<b>Contact us</b>
<b>Live online option</b>		Online delivery is available at €1,850.-.	