

# Introduction into Databases and SQL Language in the Oracle







Course code: OFUN

Students learn basic skills needed for working with Oracle database. The course covers SQL fundamentals to retrieve, insert, update or delete data in database and fundamentals of procedural PL/SQL. Students get familiar with Oracle architecture and relational database concepts.

Affiliate	Duration	Course price	ITB
Praha	3	23 625 Kč	30
Brno	3	23 625 Kč	30
Bratislava	3	990 €	30

The prices are without VAT.

## Course terms

Date	Duration	Course price	Type	Course language	Location
16.12.2024	3	23 625 Kč	Online	CZ/SK	GOPAS Praha online
16.12.2024	3	990 €	Online	CZ/SK	GOPAS Bratislava online
 08.01.2025	3	990 €	Telepresence	CZ/SK	GOPAS Bratislava_GTT
 08.01.2025	3	23 625 Kč	Telepresence	CZ/SK	GOPAS Brno_GTT
 08.01.2025	3	23 625 Kč	Telepresence	CZ/SK	GOPAS Praha_GTT
 23.04.2025	3	23 625 Kč	Telepresence	CZ/SK	GOPAS Praha_GTT
 23.04.2025	3	23 625 Kč	Telepresence	CZ/SK	GOPAS Brno_GTT
 23.04.2025	3	990 €	Telepresence	CZ/SK	GOPAS Bratislava_GTT

The prices are without VAT.

## Who is the course for

IT Project Managers

System Analytics

Developers

Administrators

Technical Support Staff

## What we teach you

- Introduction to relation databases
- Data modeling
- Purpose and benefits of ER Diagrams
- Fundamentals of Oracle architecture
- SQL fundamentals
- PL/SQL fundamentals
- Introduction to Object-oriented technology
- Workshop

## Required skills

Familiarity with data processing concepts and techniques

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# Introduction into Databases and SQL Language in the Oracle

Ability to use a graphical user interface (GUI)

## Course Outline

### Database management systems

What is database systems

Traditional database systems

Relational database systems

### Data modeling

Oracle software life cycle

Conceptual data models

Data storage in relational databases, data normalization

### Oracle architecture fundamentals

Why to understand the architecture

Logical, Physical and memory structures

Oracle 9i features

Oracle product family

### SQL fundamentals

What is SQL

SELECT statement

Data Definition Language (DDL)

Data Manipulation Language (DML)

Transaction Control Language (TCL)

Data Control Language (DCL)

Differences in SQL and SQL\*Plus

### PL/SQL fundamentals

What is PL/SQL

PL/SQL basics

Control structures in PL/SQL

### Introduction to Object-oriented technology

OO basics

Object-Relations Database Management Systems

### Workshop

Workshop

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