



Oracle 19c SQL Programming Fundamentals

Gain the Core Skills Required to Setup, Run and Manage Databases using SQL and Oracle Database Technology

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Course Snapshot

- **Course: Oracle 19c SQL Programming Fundamentals (TTOR11019)**
- **Duration:** 3 days
- **Skill-Level:** Introductory
- **Audience:** Anyone needing to interface with an Oracle database or those needing a general understanding of Oracle database functionality, such as end users, business analysts, application developers and database administrators / DBAs.
- **Hands-on Learning:** This course is approximately 50% hands-on lab to lecture ratio, combining engaging expert lessons, demos and group discussions with real-world, skills-focused machine-based labs and exercises. Student machines are required.
- **Delivery Options:** This course is available for **onsite private classroom presentation, live online virtual presentation**, or can be presented in a **blended learning format**. Please also ask about our **Self-Paced / Video / QuickSkills or Mini-Camp / Short Course** flexible delivery options.
- **Public Schedule:** This course has active dates on our live-online open enrollment **Public Schedule**.
- **Customizable:** This course agenda, topics and labs can be further adjusted to target your specific training skills objectives, tools and learning goals. Please ask for details.

Overview

Oracle 19C SQL Programming Fundamentals is a three-day, hands-on course designed to equip you with the fundamental skills needed to set up, run and manage SQL databases using Oracle Database Technology. You will also be discovering all the tools and concepts required to organize data efficiently.

Our engaging instructors and mentors are highly-experienced practitioners who bring years of current "on-the-job" experience into every classroom. Working within in a hands-on learning environment, guided by our expert team, attendees will develop a practical approach to Oracle Database Technology. Throughout the course, you will learn the key elements of a database, and the way Oracle systems facilitate their induction in the system. You'll also learn the tools and strategies you can implement to store, retrieve, compare and organize data according to your requirements. You'll also explore the process of creating simple to complex reports from existing data. By the end of this course, you will also have hands-on knowledge of SQL systems that are required to proceed to other advanced to professional programs.

NOTE: This training is not Official Oracle University training. This is independent, adjustable content that aligns with current topics, skills and tools that participants need to excel in these areas. We also offer alternative courses for learning SQL basics with other databases, or using vendor neutral approach, as well as more specific training for SQL querying skills for analysts. Please inquire for details and options.

Learning Objectives

Working in a hands-on learning environment led by our expert practitioner you'll learn how to:

- Add Data, Retrieve, Sort and Organize a SQL Database:
- Combine Data, Set Operators and Subqueries:
- Manipulate Data and Data Definition Languages in SQL:
- Work with Data Dictionary Views and Create Sequences, Indexes and Views:
- Use Database Objects and Subqueries:
- Perform Data and access control:
- Perform other Advanced Level Database operations.

Need different skills or topics? If your team requires different topics or tools, additional skills or custom approach, this course may be further adjusted to accommodate. We offer additional Oracle, database, scripting, administration, programming, security and other related topics that may be blended with this course for a track that best suits your needs.

Audience & Pre-Requisites

This course is appropriate for anyone needing to interface with an Oracle database or those needing a general understanding of Oracle database functionality. That would include end users, business analysts, application developers and database administrators. Attendees should have experience working with computers and be comfortable working from the command line.

Attendees should have basic computer skills. A basic knowledge of databases is helpful, but not required.

Follow-On Courses: We offer an extensive suite of Oracle Database, Development and Tooling courses for a wide variety of skills, roles and goals. Please inquire for details and recommendations on best next steps in your learning journey.

Enhanced Learning Services: Please also ask about our **Pre-Training Class OnRamp & Prep / Primer** offerings, **Skills Gap Assessment Services, Case Studies, Knowledge Check Quizzes, Skills Immersion Programs & Camps, Collaborative Mentoring Services and Extended Learning Support & Post Training** services.

Course Topics / Agenda

Please note that this list of topics is based on our standard course offering, evolved from typical industry uses and trends. We'll work with you to tune this course and level of coverage to target the skills you need most. Topics, agenda and labs are subject to change, and may adjust during live delivery based on audience interests, skill-level and participation.

- 1. Adding Data, Retrieving, Sorting and Organizing a SQL Database:**
 - The building blocks of a database.
 - How to add data to the database.
 - The process of retrieving data using SQL functions.
 - Multiple methods of sorting and organizing data.
 - Using SQL functions to get the required simple to complex output.
 - Various strategies for using functions and conditions to organize data.
- 2. Combining Data, Set Operators And Subqueries:**
 - Consolidating data using multiple functions and group operators.
 - Fetching intelligent data reports using simple functions.
 - Fetching data from multiple sources in the tables.
- 3. Data Manipulation and Data Definition Languages in SQL:**
 - Describing and managing data transaction using Data Definition Language.
 - Categorize and review data tables using Data Definition Language.
- 4. Data Dictionary Views and Creating Sequences, Indexes and Views:**
 - How to manage and query Data Dictionary Views.
 - The process of creating and using Sequences.
 - How to create various types of Synonyms and Indexes.
 - Creating simple and complex views and retrieving data.
- 5. Understanding and using Database Objects and Subqueries:**
 - Core concept and application of Schema Objects.
 - Fetching required data with Subqueries.
 - Using Subqueries to organize Data in SQL.
- 6. Data and access control:**
 - Assigning and revoking data access.
 - Managing data access control according to user levels.
- 7. Performing Advanced Level Database operations.**
 - Using advanced functions and performing data queries.
 - Creating and managing time zone-based databases

Hands-on Setup Made Simple! All course software (limited versions, for course use only), digital courseware files, labs / data sets and solutions (as applicable) are provided for you in our "easy access / no install required" high-speed remote lab environment. Our dedicated live tech team works with every student to ensure everyone is set up with working access and ready to go prior to every course start date, ensuring a smooth delivery and great hands-on experience. All your coursework can be accessed or downloaded after class, so you never lose your work or materials. Please ask for details.

For More Information

All courses can be presented **onsite** or **online**, or in a **combined / flex / blended learning format**, tailored to target your specific audience, needs and learning goals. We also offer focused, flexible **short courses, self-paced learning** options, **recorded sessions**

and more. We train beginner to advanced skills in all areas we cover, and offer **New Hire / Cohort Training, Boot Camps, Skills Immersion Programs, Reskilling Programs, Skills Migration & Transition Programs**, and more. We collaborate with you to ensure all courses are truly targeted to meet your specific needs and learning skills, maximizing your valuable training time, as well as your important budget.

Please also visit our extensive **Public Training Schedule** for training for smaller groups or individuals. Please contact us for course details, **Corporate Rates** and **Special Discount Offers**.

For more information about our dedicated training services, collaborative coaching services, courseware licensing options, public course schedule, training management services, partner programs, or to see our complete list of course offerings and special offers please visit us at www.triveratech.com, email Info@triveratech.com or call us toll free at **844-475-4559**. Our pricing and services are always satisfaction guaranteed.

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