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Oracle Database 19c: Advanced PL/SQL

Duration:
3 days

In this course, you will learn to handle complex data. You will learn about collections, which enable you to work with a logical group of homogenous data. You will also learn to manage large objects and JSON data in the database.

Further, you will be introduced to utilities such as PL/Scope and hierarchical profiler to analyze, trace, and profile PL/SQL code. These functions help you in improving the performance of the application. In addition, you will be introduced to various security mechanisms that can be used to secure applications

Benefits To You

Upon completion of this course, the student should be able to:
- Write powerful PL/SQL programs.
- Explore programming efficiency.
- Apply PL/SQL designing best practices.
- Create PL/SQL applications that use collections.
- Write code to interface with large objects and use SecureFile LOBs.
- Write and tune PL/SQL code effectively to maximize performance.
- Gain an understanding of the Oracle Database Exadata Express Cloud Service.

Prerequisites

Oracle Database 19c: SQL Workshop
Oracle Database 19c: PL/SQL Workshop

Audience

- Database Administrators
- Developers

Course Topics

1. **Introduction**
2. **Working with Exadata Express Cloud Service**
3. **Overview of Collections**
4. **Using Collections**
5. **Handling Large Objects**
6. **JSON Data in Database**
7. **Advanced Interface Methods**
8. **Performance and Tuning**
9. **Improving Performance with Caching**
10. **Analyzing PL/SQL Code**
11. **Profiling and Tracing PL/SQL Code**
12. **Securing Applications through PL/SQL**
13. **Safeguarding Your Code against SQL Injection Attacks**
14. **Advanced Security Mechanisms**

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