

1. Introduction to Oracle Database 19c

- Overview of Oracle Database 19c
- Importance of Data Partitioning in Data Warehousing

2. Understanding Data Partitioning Concepts

- Definition of Data Partitioning
- Types of Data Partitioning
- Range Partitioning
- List Partitioning
- Hash Partitioning
- Composite Partitioning

3. Benefits of Data Partitioning in Data Warehousing

- Improved Query Performance
- Enhanced Data Management and Maintenance
- Efficient Data Loading and Unloading

4. Implementing Range Partitioning

- Creating Range Partitioned Tables
- Adding and Dropping Range Partitions
- Partition Pruning Techniques

5. Implementing List Partitioning

- Creating List Partitioned Tables
- Managing List Partitions
- Converting Range to List Partitioning

6. Implementing Hash Partitioning

- Creating Hash Partitioned Tables
- Managing Hash Partitions
- Choosing Hash Partition Keys

7. Composite Partitioning Strategies

- Combining Range and List Partitioning
- Combining Range and Hash Partitioning
- Combining List and Hash Partitioning

8. Partitioning Best Practices and Guidelines

- Partitioning Key Selection
- Partition Maintenance Strategies
- Monitoring and Tuning Partitioned Tables

9. Partitioning in Data Warehousing Use Cases

- Case Studies and Examples
- Real-world Applications of Partitioning Techniques

10. Hands-on Labs and Exercises

- Practical Implementation of Partitioning Concepts
- Query Optimization and Performance Tuning Exercises

11. Q&A Session and Wrap-up

- Addressing Participants' Queries
- Review of Key Concepts
- Summary and Conclusion