

## About Program

### Oracle:

Oracle Database Administration training will help you master Oracle DBA. In this Oracle 12c DBA online training, you will master the Oracle Database architecture, database processes, memory structures, schema objects, security, data recovery, and backup, all through hands-on projects and case studies.

- Core database concepts
- Role of a Database Administrator
- SQL and PL/SQL concepts
- Physical and logical structure of a database
- Introduction to table space
- Configuring and managing Oracle Network
- Database configuration and programming
- Installation and harnessing cloud and storage management
- Database best practices and scripts

## Oracle Introduction

## Installation Process

## Introduction Database

## DDL & DML Statements

- Introduction to DDL & DML

## Retrieving data using Select statement

- Capabilities of SQL SELECT Statements
- Arithmetic expressions and NULL values
- Column Alias, Concatenation , Distinct and DESCRIBE

## Restricting and sorting data

- The WHERE Clause & Comparison Operators
- Using Between and / IN / Like Operators
- Using IS NULL / NOT / Not equal Operators
- Logical Operators (AND/ OR/ NOT)
- Order by Clause
- The FETCH Clause

## Variables

- Substitution Variables
- DEFINE / UNDEFINE
- ACCEPT / PROMPT
- Double-Ampersand / SET VERIFY / SET DEFINE

## Single-row Functions

- Single Row Function Introduction
- Character functions (Upper, Lower, Initcap )
- Character functions (concat, substr, length )
- Character functions ( instr )
- Number functions ( Round, Trunc, MOD )
- Date Functions ( Sysdate)
- Date Functions ( months\_between, add\_months, next\_day, last\_day)
- Date Functions ( round , trunc )
- Nesting Functions

## Conversion Functions and Conditional Expressions

- Implicit Data Conversion VS Explicit
- TO\_CHAR with dates
- TO\_CHAR with numbers
- TO\_NUMBER , TO\_DATE Functions
- The CASE Function
- NULLIF & Coalesce Function
- The DECODE Function

### • Group Functions

- Group functions (sum, count, max, min, avg)
- Group by Clause, Having Clause

## Joins Concept

- Natural Join
- Left/Right/full Outer Join
- Cross Join
- Self Join

## Subqueries

- Single row & Multiple rows Subqueries
- NULL values
- Exists and not Exists
- Scalar Subquery / Correlated Subquery

## Set Operators

- Union
- Union all
- Intersect

## Introduction to View

- Creating Simple Views
- Creating Complex Views
- READ ONLY / With check option

## Sequences Synonyms and Indexes

- Creating Sequences
- Creating Synonyms
- Creating Indexes

## Controlling User Access

- Database Security / System Privileges & Roles
- Database Security / Object Privileges
- Creating ROLE Practice
- With Grant Option
- Drop user Statement
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## About Techehost

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