

Oracle 11g Online Training Course Content

Faculty: Real time and certified

(Includes theoretical as well as practical sessions)

- SQL
- The Oracle database environment
- Reviewing basic architecture concepts, Oracle 10g Architecture, Main features of 9i and 10g

- Basic SELECT Statement
- Writing the statement in sqlplus, Running the SELECT statement

- Ordering the output
- Single Column, Descending order, Multiple column sort

- Conditional retrieval of data
- Working with complex conditions, AND OR NOT LIKE BETWEEN

- Pseudo columns and functions
- Pseudo Columns, Rownum, Sysdate, User & UID, the Dual Table

- Working with character functions
- UPPER, LOWER, INITCAP, RPAD(), TRIM(), SUBSTR(), INSTR(), TRANSLATE(), REPLACE(), GREATEST(), LEAST(),

- Working with date functions
- TO_CHAR(), TO_DATE(), MONTHS_BETWEEN(), ADD_MONTHS(), LAST_DAY(), NEXT_DAY()

- Using non-character function
- ROUND(), TRUNC(), SIGN(), Working with multiple tables,
- Different type of Joins, Writing Outer Joins

- Using the SET operators
- Union, Intersect, Minus

www.smartmindonlinetraining.com

Ph: +91 9949599844, +919949566322
contact@smartmindonlinetraining.com

- Aggregating data using group functions
- GROUP BY, HAVING
- Creating Subqueries
- Single Row subqueries, Multiple row Subqueries
- Enhancing groups function
- ROLLUP, CUBE
- Transaction Control Language
- Rollback, Commit, Savepoint
- Processing hierarchies
- Creating the Tree structure, LEVEL, CONNECT BY
- Data Manipulation Language
- INSERT, UPDATE, DELETE
- Data Definition Language
- CREATE, TRUNCATE, ALTER, DROP, RENAME, DESCRIBE
- Using Declarative Constraints
- Not Null Constraint, Check Constraint, Unique Constraint, Primary Key Constraint, References Constraint, On Delete Cascade, On Delete Set Null
- Other Database Objects
- Views, Sequences, Synonyms, Indexes
- USER_TABLES, USER_TAB_COLUMNS, USER_OBJECTS
- Database Security
- Object Privileges, Granting access to objects
- PL -SQL
- Blocks
- Structure, Writing Anonymous Blocks
- Variables
- Oracle Datatypes, TYPE and ROWTYPE declarations, Value assignments

www.smartmindonlinetraining.com

Ph: +91 9949599844, +919949566322
contact@smartmindonlinetraining.com

- Control structures
- IF ELSE ENDIF statement, IF ELSIF ELSE ENDIF statement, LOOP END , LOOP statement, WHILE condition, FOR condition
- Cursors
- Implicit and Explicit Cursors, Cursor Manipulation statements, OPEN FETCH CLOSE EXIT WHEN
- Error Handling
- Predefined Exceptions, Non-Predefined Exceptions, User Defined Exceptions
- Procedures
- Creating and Calling Procedures
- Functions
- Creating and Calling Functions
- Packages
- Package Header, Package Body
- Design Tips and Techniques
- Format of standard packages in an application, Spec and Body, NOCOPY hint theory
- Triggers
- Database triggers, CALLing procedures from triggers
- Dynamic SQL
- EXECUTE IMMEDIATE, DBMS_SQL package
- Oracle Supplied packages
- DBMS_OUTPUT, UTL_FILE
- Collection datatypes
- Associative Arrays, Nested tables, VARRAYs