

Oracle

ORACLE-SYLLABUS

Course I:

SQL:

- Retrieving data using the SQL select statement]
- Restricting and sorting data
- Using single row function to customize output.
- Reporting aggregated data using the group function.
- Displaying data from multiple tables –I
- Displaying data from multiple tables-II
- Using sub queries to solve problems
- Using set operators
- Manipulating data
- Using DDL statements to create and manage tables
- Creating other schema objects
- Managing objects with data dictionary
- Controlling User access
- Managing schema objects
- Manipulating large data sets
- Generating report by grouping related data
- Managing data in different time zones
- Retrieving data using sub queries
- Hierarchical retrieval
- Regular expression support

PL/SQL:

- Introduction
- Declaring Variables
- Writing Executable Statements
- Interacting with Oracle Server
- Writing Control Structures
- Working with Composite Data Types
- Writing Explicit Cursors
- Writing Implicit Cursors
- Handling Exceptions
- Creating Procedures
- Creating Functions
- Managing Subprograms
- Creating Packages
- More Package concepts
- Oracle supplied Packages
- Manipulating Large Objects
- Creating Database Triggers
- More Trigger concepts
- Managing Dependents

Course II:

SQL:

- Retrieving data using the SQL select statement]
- Restricting and sorting data
- Using single row function to customize output.

- Reporting aggregated data using the group function.
- Displaying data from multiple tables –I
- Displaying data from multiple tables-II
- Using sub queries to solve problems
- Using set operators
- Manipulating data
- Using DDL statements to create and manage tables
- Creating other schema objects
- Managing objects with data dictionary
- Controlling User access
- Managing schema objects
- Manipulating large data sets
- Generating report by grouping related data
- Managing data in different time zones
- Retrieving data using sub queries
- Hierarchical retrieval
- Regular expression support

Admin I:

- Introduction
- Installing the Oracle Database Structure
- Creating an Oracle Instance
- Managing the Oracle Instance
- Managing Database Storage Structure
- Oracle managed file(OMF)
- Creating a table space
- Administering security
- Managing Schema Objects
- Types of Indexes
- Managing Data and Concurrency
- Locking Mechanism
- Managing Undo Data
- Implementing Oracle Database Security
- Configuring the Oracle Network environment
- Proactive Maintenance
- ADDM
- Performance Management
- Backup and Recovery Concept
- Hot Backup
- Cold Backup
- Hands on practice
- Performing Database Backups
- Performing Database Recovery
- Performing Flashback
- Hands on practice
- Flashback version query
- Moving Data
- Oracle Data pump

Admin II:

- Introduction
- Oracle managed files
- Configuring recovery manager
- Using recovery manager

- RMAN backup types
- Hands on practice
- Recovering from non critical loses
- Database recovery
- Types of incomplete recovery
- Flashback
- Dealing with database corruption
- Hands on practice
- Monitoring and managing memory
- Automatic shared memory management
- Automatic performance management
- Automatic workload repository
- Managed schema objects
- Hands on practice
- Clusters
- Managing storage
- Automatic storage management
- ASM disk group
- Portioning a disk
- Managing resources
- Automatic task with scheduler
- Database security
- Transparent data encryption
- Using globalization support

- Hands on practice