Oracle 12cR2/19c Database Administration by Kapil Kale.
Course Duration 50 Classes

Oracle Architecture	Understand Oracle Instance and File Structures, Memory structures and various background processes of the Oracle instance.
Oracle Installation	Pre-requisites
	Installation
DB Creation	Types of creation
	Manual Creation - 12c Multi Tenant
	DBCA Creation
Starting up & Shutting down	Startup modes
	Shutdown modes
Database Administration	Managing Control files and NID
	Managing Redolog files
	Managing Archivelog files
	Managing Parameter file
	Trace file and alertlog file and ADR
Tablespace Management	Introduction to the tablespace
	Attributes of Tablespace
	Types of Tablespace
	Default tablespace
	Tablespace
Undo Management	Parameters to set Undo
	Undo segments Working principle
	Undo Tablespace Creation
	Altering an undo tablespace
	DDV & Tables
	Retention Guarantee
	Undo errors
User Management	User Management
	Privileges
	Roles
	Profile
	Security
Oracle Network	Oracle Network concepts
	Oracle Client/server Architecture
Network Services	Define Network Services
	Types
	Dedicated Server
	Shared Server
DB Links	Define DB Links
	Why DB links?
	Types
	> Public link
	> Private link
Backup	Backup Types
	> Logical

	> Physical
	Whole Database backup
	Consistent & Inconsistent backup
	Online & Offline backups
Physical Backup	Cold Backup/recovery scenarios
	Hot backup/recovery scenarios
Logical Backup	Logical Backup
	> Expdp*
	> Impdp*
	> Import
	> export
	Export
	Import
	Expdp & Impdp
RMAN	Features
	Introduction
	RMAN Architecture
	Terminology in RMAN
	Connecting to Database using RMAN
	Configuration Of RMAN
	Types of RMAN Backup
	Recovery using RMAN
Restore and recovery	What is restore
	What is recovery
	Types of Recovery
	Preparing and planning database Restore & Recovery
	Basic database Restore & Recovery scenarios
	Restoring Lost database files using RMAN
	Recovery using flashback area
	Other types of oracle recovery
Data Guard	What is a "Disaster"?
	Introduction to Data guard
	Dataguard Configuration
	Types of standby database
	Physical standby
	Logical standby
	Services required for standby database
	Dataguard Protection Mode
	Data Guard Architecture
	Benefits of dataguard
	Data Guard requirements
	Steps to configure Data guard
	Physical standby database creation
Cloning	duplicate a database

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Multi tenant database features	
Performance Tuning	
	SQL Tuning
	System Tuning
	Working with AWR
	Memory Tuning
	Tuning Log Switches
Patching and Oracle database	
Upgrade an Oracle database from 11g to 12c	