IT4310 Database Admin II

Fall 2021

- Syllabus
- Assignment submission/grading (login required)

Instructor

- Dr Bob Nielson

Textbook (Recommended)

- OCA Study Guide

Database Systems

SQL

- mySQL
- Postgresql
- Mariadb
- Oracle
- Microsoft SQL
- IBM DB2
- SyBase
- [Firebase] ()

NO SQL

- Casandra
- Couch
- Mongo

Desktop

- SQLITE
- FoxBase
- Access
- FileMaker Pro

Resources

Tutorials

- TutorialsPoint

noSQL Databases

- Video
- Azure
- Object-Databases NoSQL-Databases Key-Value Databases NOSQL Comparision
- CouchBase
- Casandra Datastax Casandra
- MongoDB Video Tutor

OCA Certification

- Oracle Certifications

Oracle Academy Foundations

- Introduction 1 2 3 4 5 6
- Modeling 1 2 3 4 5 6
- Physical Modeling 1 2 3 4 5 6 7 8 9
- SQL Developer 1 2
- Mapping 1 2
- SQL 1 2 3 4 5 6 7 8 9

Oracle Academy Design

- Introduction 1 2 3 4
- Entities 1 2 3
- Relationships 1 2 3 4
- Super/Sub Types 1 2
- Fundamentals 1 2 3 4
- Normalization 1 2 3 4
- Arcs 1 2
- Historical Modeling 1 2 3 4
- Mapping 1 2 3 4

Oracle Academy SQL

- Select 1 2 3 4 5 6
- Functions 1 2 3 4 5 6
- Join 1 2 3 4 5 6
- Subtotal 1 2 3 4
- SubSelect 1 2 3 4
- DML 1 2 3
- DDL 1 2 3
- Constraints 1 2 3
- Views 1 2
- Sequence 1 2
- Privileges 1 2
- Regular Expressions 1
- Transactions 1

Oracle Academy plSQL

- Fundamentals 1 2 3
- Variables 1 2 3 4 5 6 7
- Programs 1 2 3 4 5
- Cursors 1 2 3 4 5 6
- SQL 1 2 3 4
- Exceptions 1 2 3 4
- Functions 1 2 3 4 5 6
- Procedures 1 2 3
- Packages 1 2 3 4 5
- Triggers 1 2 3 4 5
- Performance 1 2
- Compiler 1 2 3 4 5

Oracle Admin

- Installation Guide
- Admin Topics www.oracle-dba-online.com
- Oracle Docs docs.oracle.com Online help files

Bob’s Admin Notes

- Installing Oracle Linux Land of Linux HowTo
- Installing Oracle pdf html
- Creating an Oracle Instance (database)
- SQL Plus pdf html
- Creating Users / Tablespaces pdf html
- DataPump (Backup) video pdf html

- SQL Loader (Import) pdf html
- rman (Backup) backup restore
- Exporting Space Delimited Data pdf htm
- Performance Tuning
- Data Warehousing

Misc Resources

- Code Academy-Business Metrics