AWS – RDS (Relational Database Service)

Creating AWS Free-tier account

What is Database, DBMS, RDBMS??

Data types, Schema, Entity

SQL and Related Lang (DDL, DML, TCL, DCL, DQL)

ACID Properties of Database

CRUD Operation on Database

Installing and Accessing the database

Integrity Constraints

Normalization

Creating Index, Views, Joins (Inner Join, Outer Join, Left & Right Joins)

Queries, Sub Queries, Simple & Complex Queries

Various clauses used in Queries Where, group by, order by, in, any, between, like, asc, desc,

Maven, POM, Maven Lifecycles, Maven Commands

JDBC – Java Database Connectivity (How to use Java Code to interact with Database)

Steps in accessing the DB using JDBC

Connection (I), Statement(I), PreparedStatement(I), CallableStatement(I), ResultSet(I), Driver(I)