

CS 2550 Review

Chapter 1

Know what a table, row, and column are used for in databases

Know what a primary key and a foreign key is

Know which SQL statements are used for data manipulation, data definition, data control and transaction control

Know what each form of Normalization involves. Know the keys of when data is in a given normalized form.

Chapter 2

Know the types of commonly used data types

Know how to write a SQL SELECT statement

Know the purpose of the DISTINCT and UNIQUE statements

Chapter 3

Know the different SQL Comparison Operators

Know how to write an SQL statement checking for equality

Know how to write an SQL statement using the greater than and less than operators

Know how to use the BETWEEN operator

Know how to use the IN operator

Know how to use the LIKE operator

Know how to use the NOT operator

Know how to use the NULL and NOTNULL operators

Know how to use the ORDER BY operator

Know how to create column aliases

Know how to add comments to your SQL statements

Chapter 4

Know how to use the LOWER, UPPER, INITCAP functions

Know how to use the LPAD and RPAD functions

Know how to use the DUAL table

Know how to use the SUBSTR function

Know how to use the LENGTH function

Know how to use arithmetic operators

Know how to use the NVL function

Know how to use the CASE function

Chapter 5

Know how to use the TO_CHAR function to format dates

Know how to use the TO_DATE function

Chapter 6

Know how to use the COUNT function

Know how to use the SUM function

Know how to use the AVG function

Know how to use the GROUP BY clause

Know how to use the HAVING clause

Chapter 7

Know how to write a table alias

Know how to write an equijoin

Know what a Cartesian product is

Know how to write a three or more table join

Know how to write a JOIN statement.

Chapter 8

Know syntax for writing subqueries

Know how to write subqueries

Know how to write a subquery using the Inline View

Know how to write a subquery where subquery is in the FROM clause

Chapter 9

Know how to write a UNION statement

Know how to write a MINUS operation statement

Chapter 10

Know how to write an Outer Join statement

Chapter 11

Know how to write an INSERT, UPDATE and DELETE statement

Know how to write a COMMIT statement

Know how to write a ROLLBACK statement