

Cpt-140 Database Concepts

Week 10 : SQL Programming 4 (SQL4)

Learning Objectives.

In this topic a variety of issues are discussed with the aim of sharpening students skills with SQL. First is a review of SQL syntax and common errors that can occur. This is followed with a discussion on useful techniques to solve common problems.

- ☐ Know when to use single and double quotes and what there effect is.
- ☐ Know how the output differs when you use a Theta Join and a Natural Join.
- ☐ Understand the limitation of scope on varialbe names in sub-queries.
- ☐ Know how to reference external variables from within a subquery.
- ☐ Identify problems that requires 2 references to the same table and know how to do it.
- ☐ Recognise when a problem canbe sovled using more than one approach.
- ☐ Know how to use a sub-query in the FROM line of a query.
- ☐ Know the power of SELECT *.
- ☐ Be able to identify problem where a set operator would be useful
- ☐ Know how to use brackets to achivethe required outcome when using AND and OR.
- ☐ Know here to perform aggregation-like tests on aggregated data.

Reading for this week

There are not text book references for this week.