

**Department of Computer Science and Engineering
University of Notre Dame**

**CSE 30246 - Database Concepts
Fall 2009**

ASSIGNMENT 9

Reading: Review class notes. Review book chapters (1 - 8, 10, 11).

Problem 1:

For each of the following four problems, use the SaleDB database to write SQL queries.. You may assume in all queries that we are only considering the time interval indicated in the SALE relation. Use the formatting features of *sqlplus*. Test your SQL files on *orchestra's* `testdb` database.

1. List the name and office location of salespeople who have sold every product that gives at least a \$10 profit per item.
2. Name the product that sold the most (in quantity, not sales).
3. Generate a report that lists all salespeople and the profit they made, in decreasing order of profit.
4. Generate a report that lists customers who have purchased a product, and, for each of them, displays the products purchased, along with price and qty, and the total value of each customer's purchases.

Due date:

Thursday 11 / 19 / 2009, 10 pm.

This problem must be done individually. Name your files `hw9p[1-4].sql`, and place them in your own personal dropbox, under a `hw9` directory.