Exercise 6. Using Subqueries

What This Exercise Is About

This exercise provides an opportunity to work with subqueries.

What You Should Be Able to Do

At the end of the lab, you should be able to:

- Code basic subqueries
- Code more complex subqueries using the keyword IN

Introduction

See the data model at the start of this exercise guide to get the column names and descriptions for each table.

Required Materials

- Student handout
- *SQL Reference*

Problem List

Problem 1

List those employees that have a salary which is greater than or equal to the average salary of all employees plus $5,000.

Display department number, employee number, last name, and salary. Sort the list by the department number and employee number.

Problem 2

List employee number and last name of all employees not assigned to any projects. This means that table EMP_ACT does not contain a row with their employee number.

Problem 3

List project number and duration (in days) of the project with the shortest duration.

Name the derived column DAYS.

Problem 4

List department number, department name, last name, and first name of all those employees in departments that have only male employees.

Problem 5

We want to do a salary analysis for people that have the same job and education level as the employee Stern. Show the last name, job, edlevel, the number of years they've worked as of January 1, 2000, and their salary.

Name the derived column YEARS.

Sort the listing by highest salary first.

END OF LAB