-- Data Analysis

SELECT \* FROM departments;

SELECT \* FROM dept\_emp;

SELECT \* FROM dept\_manager;

SELECT \* FROM employees;

SELECT \* FROM salaries;

SELECT \* FROM titles;

--#1

SELECT employees.emp\_no, employees.last\_name, empoyees.first\_name, employees.gender, salries.salary

FROM employees JOIN salaries ON employees.emp\_no = salaries.emp\_no;

--#2

SELECT first\_name, last-name, hire\_date

FROM employees WHERE hire\_date BETWEEN "1986-01-01" and "1987-01-01";

--#3

SELECT departments.dept\_no, departments.dept\_name, dept\_manager.emp\_no, employees.last\_name, empoloees.first\_name, dept\_manager.from date, dept\_manger.to\_date

FROM departments

JOIN dept\_manager ON departments.dept\_no = dept\_manger.dept\_no

JOIN employees ON dept\_manger.emp\_no = employees.emp\_no;

--#4

SELECT dept\_emp.emp\_no, employees.last\_name, employees.first\_name, departments.dept\_name

FROM dept\_emp

JOIN employees ON dept\_emp.emp\_no = employees.emp\_no

JOIN departments ON dept\_emp.dept\_no = departments.dept\_no;

--#5

SELECT first\_name, last\_name

FROM employees WHERE first\_name = "Hercules" AND last\_name LIKE "B%";

--#6

SELECT dept-emp.emp\_no, employees.last\_name, employees.first\_name, departments.dept\_name

FROM dept\_emp

JOIN employees ON dept\_emp.emp\_no = employees.emp\_no

JOIN departments ON dept\_emp.dept\_no = departments.dept\_no

WHERE departments.dept\_name = "Sales";

--#7

SELECT dept\_emp.emp\_no, employees.last\_name, employees.first\_name, departments.dept\_name

FROM dept\_emp

JOIN employees ON dept\_emp.emp\_no = employees.emp\_no

JOIN departments ON dept\_emp.dept\_no = departments.dept\_no

WHERE departments.dept\_name = "Sales" OR departments.dept\_name = "Development";

--#8

SELECT last\_name,

COUNT(last\_name) AS "frequency"

FROM employees

GROUP BY last\_name

ORDER BY

COUNT(last\_name) DESC;