**Questions Answered (queries)**

Q1) List the following details of each employee: employee number, last name, first name, gender, and salary.

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

FROM employees

JOIN salaries

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

Q2) List employees who were hired in 1986.

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

FROM employees

WHERE hire\_date BETWEEN '1986-01-01' AND '1987-01-01';

Q3) List the manager of each department with the following information: department number, department name, the manager's employee number, last name, first name, and start and end employment dates.

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

FROM departments

JOIN dept\_manager

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

JOIN employees

ON dept\_manager.emp\_no = employees.emp\_no;

Q4) List the department of each employee with the following information: employee number, last name, first name, and department name.

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;

Q5) List all employees whose first name is "Hercules" and last names begin with ‘B’.

SELECT first\_name, last\_name

FROM employees

WHERE first\_name = 'Hercules'

AND last\_name LIKE 'B%';

Q6) List all employees in the Sales department, including their employee number, last name, first name, and department name.

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';

Q7) List all employees in the Sales and Development departments, including their employee number, last name, first name, and department name.

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';

Q8) In descending order, list the frequency count of employee last names, i.e., how many employees share each last name.

SELECT last\_name,

COUNT(last\_name) AS "frequency"

FROM employees

GROUP BY last\_name

ORDER BY

COUNT(last\_name) DESC;