

Query QuickDBD

--1. 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  
LEFT JOIN salaries  
ON employees.emp_no = salaries.emp_no  
ORDER BY emp_no
```

--2. List employees who were hired in 1986.

```
SELECT * FROM employees  
WHERE DATE_PART('year',hire_date) = 1986  
ORDER BY emp_no;
```

--3. 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 dept_manager.dept_no,  
departments.dept_name,  
dept_manager.emp_no,  
employees.last_name,
```

```
employees.first_name,  
dept_manager.from_date,  
dept_manager.to_date  
FROM dept_manager  
LEFT JOIN departments  
ON dept_manager.dept_no = departments.dept_no  
LEFT JOIN employees  
ON dept_manager.emp_no = employees.emp_no  
ORDER BY emp_no
```

--4. List the department of each employee with the following information:
--employee number, last name, first name, and department name.

```
SELECT  
employees.emp_no,  
employees.last_name,  
employees.first_name,  
dept_emp.dept_no,  
departments.dept_name  
FROM employees  
INNER JOIN dept_emp ON employees.emp_no=dept_emp.emp_no  
INNER JOIN departments ON departments.dept_no=dept_emp.dept_no  
order by emp_no;
```

-- 5. List all employees whose first name is "Hercules" and last names begin with "B."

```
SELECT * FROM employees  
WHERE first_name = 'Hercules' AND last_name like 'B%';
```

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

```
SELECT
employees.emp_no,
employees.last_name,
employees.first_name,
dept_emp.dept_no
FROM employees
LEFT JOIN dept_emp
ON employees.emp_no=dept_emp.emp_no
INNER JOIN departments
ON departments.dept_no=dept_emp.dept_no
WHERE departments.dept_name='Sales';
```

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

```
SELECT
employees.emp_no,
employees.last_name,
employees.first_name,
dept_emp.dept_no
FROM employees
LEFT JOIN dept_emp
ON employees.emp_no=dept_emp.emp_no
INNER JOIN departments
ON departments.dept_no=dept_emp.dept_no
WHERE departments.dept_name in ('Sales', 'Development')
```

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

```
SELECT last_name, COUNT(*) AS freq_count  
FROM employees  
GROUP BY last_name  
ORDER BY freq_count DESC;
```