-- Salary by employee

SELECT  emp.emp\_no,

        emp.last\_name,

        emp.first\_name,

        emp.sex,

        sal.salary

FROM employees as emp

    LEFT JOIN salaries as sal

    ON (emp.emp\_no = sal.emp\_no)

ORDER BY emp.emp\_no;

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-- Employees hired in 1986

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

FROM employees

WHERE hire\_date BETWEEN '1986-01-01' AND '1986-12-31';

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-- Manager of each department

SELECT  dm.dept\_no,

        d.dept\_name,

        dm.emp\_no,

        e.last\_name,

        e.first\_name

FROM dept\_manager AS dm

    INNER JOIN departments AS d

        ON (dm.dept\_no = d.dept\_no)

    INNER JOIN employees AS e

        ON (dm.emp\_no = e.emp\_no);

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-- Department of each employee

SELECT  e.emp\_no,

        e.last\_name,

        e.first\_name,

        d.dept\_name

FROM employees AS e

    INNER JOIN dept\_emp AS de

        ON (e.emp\_no = de.emp\_no)

    INNER JOIN departments AS d

        ON (de.dept\_no = d.dept\_no)

ORDER BY e.emp\_no;

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-- Employees whose first name is "Hercules" and last name begins with "B"

SELECT first\_name, last\_name, birth\_date, sex

FROM employees

WHERE first\_name = 'Hercules'

AND last\_name LIKE 'B%';

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-- Employees in the Sales department

SELECT  e.emp\_no,

        e.last\_name,

        e.first\_name,

        d.dept\_name

FROM employees AS e

    INNER JOIN dept\_emp AS de

        ON (e.emp\_no = de.emp\_no)

    INNER JOIN departments AS d

        ON (de.dept\_no = d.dept\_no)

WHERE d.dept\_name = 'Sales'

ORDER BY e.emp\_no;

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Description automatically generated

-- Employees in Sales and Development departments

SELECT  e.emp\_no,

        e.last\_name,

        e.first\_name,

        d.dept\_name

FROM employees AS e

    INNER JOIN dept\_emp AS de

        ON (e.emp\_no = de.emp\_no)

    INNER JOIN departments AS d

        ON (de.dept\_no = d.dept\_no)

WHERE d.dept\_name IN ('Sales', 'Development')

ORDER BY e.emp\_no;

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Description automatically generated

-- The frequency of employee last names

SELECT last\_name, COUNT(last\_name)

FROM employees

GROUP BY last\_name

ORDER BY COUNT(last\_name) DESC;

A screenshot of a computer

Description automatically generated