```sql
-- -- 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"
JOIN "Salaries" ON "Salaries".emp_no = "Employees".emp_no ;


-- -- 2. List employees who were hired in 1986.
SELECT * FROM "Employees"
WHERE hire_date BETWEEN '1986-01-01' AND '1987-01-01';


-- -- 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 "Departments".dept_no, "Departments".dept_name, "Dept_manager".emp_no AS
    manager_number, "Employees".last_name, "Employees".first_name,
    "Dept_manager".from_date, "Dept_manager".to_date FROM "Departments"
JOIN "Dept_manager" ON "Dept_manager".dept_no = "Departments".dept_no
JOIN "Employees" ON "Employees".emp_no = "Dept_manager".emp_no ;


-- -- 4. List the department of each employee with the following information:
    employee number, last name, first name, and department name.
SELECT "Dept_emps".emp_no AS employee_number, "Employees".last_name,
    "Employees".first_name, "Departments".dept_name FROM "Dept_emps"
JOIN "Employees" ON "Employees".emp_no = "Dept_emps".emp_no
JOIN "Departments" ON "Departments".dept_no = "Dept_emps".dept_no;


-- -- 5. 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%';


-- -- 6. List all employees in the Sales department, including their employee
    number, last name, first name, and department name.
SELECT "Dept_emps".emp_no AS employee_number, "Employees".last_name,
    "Employees".first_name, "Departments".dept_name FROM "Dept_emps"
JOIN "Departments" ON "Dept_emps".dept_no = "Departments".dept_no
JOIN "Employees" ON "Dept_emps".emp_no = "Employees".emp_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 "Dept_emps".emp_no AS employee_number, "Employees".last_name,
    "Employees".first_name, "Departments".dept_name FROM "Dept_emps"
JOIN "Departments" ON "Dept_emps".dept_no = "Departments".dept_no
JOIN "Employees" ON "Dept_emps".emp_no = "Employees".emp_no
WHERE "Departments".dept_name = 'Sales' OR "Departments".dept_name =
    'Development';
```

```sql
-- -- 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(last_name) AS "count_of_last_name" FROM "Employees"
-- GROUP BY last_name ORDER BY COUNT(last_name) DESC;

SELECT * FROM "Employees" WHERE emp_no = 499942
```