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,salaries

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

1. **List employees hired in 1986**

select employees.emp\_no,employees.last\_name,employees.first\_name,

employees.hire\_date

from employees,salaries

where employees.emp\_no = salaries.emp\_no

and split\_part(employees.hire\_date,'-',1) = '1987';

1. **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.emp\_no,employees.last\_name,

employees.first\_name, dept\_manager.from\_date,

dept\_manager.to\_date

from departments, employees,dept\_manager

where dept\_manager.emp\_no = employees.emp\_no

and departments.dept\_no = dept\_manager.dept\_no;

1. **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 employees,departments,dept\_emp

where dept\_emp.emp\_no = employees.emp\_no

and dept\_emp.dept\_no = departments.dept\_no;

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

select employees.first\_name,employees.last\_name

from employees

where employees.first\_name = 'Hercules'

and employees.last\_name LIKE 'B%';

1. **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,employees,departments

where dept\_emp.emp\_no = employees.emp\_no

and dept\_emp.dept\_no = 'd007'

and departments.dept\_name = 'Sales';

1. **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,employees,departments

where dept\_emp.emp\_no = employees.emp\_no

and (dept\_emp.dept\_no = 'd007' or dept\_emp.dept\_no = 'd005')

and (departments.dept\_name = 'Sales' or departments.dept\_name ='Development');

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

SELECT employees.last\_name,count(last\_name)

FROM employees

group by last\_name

order by count(last\_name) desc;