Queries SQL

-List the employee number, last name, first name, sex, and salary of each employee.

select s.emp\_no, e.last\_name, e.first\_name, e.sex, s.salary

from employees AS e

inner join salaries AS s

on s.emp\_no = e.emp\_no;

-List the first name, last name, and hire date for the employees who were hired in 1986

select emp\_no, first\_name, last\_name, hire\_date

from employees

where hire\_date between '01-01-1986' and '12-31-1986';

-List the manager of each department along with their department number, department name, employee number, last name, and first name.

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;

-List the department number for each employee along with that employee’s employee number, last name, first name, and department name (2 points)

select e.emp\_no, e.last\_name, e.first\_name,d.dept\_name

from employees as e

left join dept\_emp as de

on e.emp\_no = de.emp\_no

inner join departments as d

on de.dept\_no = d.dept\_no;

-List first name, last name, and sex of each employee whose first name is Hercules and whose last name begins with the letter B (2 points)

select e.first\_name, e.last\_name, e.sex

from employees as e

where (e.first\_name='Hercules') and (lower(e.last\_name) LIKE 'b%');

-List each employee in the Sales department, including their employee number, last name, and first name (2 points)

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

from employees as e

left join dept\_emp as de

on e.emp\_no=de.emp\_no

inner join departments as d

on d.dept\_no=de.dept\_no

where lower(d.dept\_name) = 'sales';

-List each employee in the Sales and Development departments, including their employee number, last name, first name, and department name (4 points)

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 (lower(d.dept\_name) = 'sales') or (lower(d.dept\_name) = 'development');

-List the frequency counts, in descending order, of all the employee last names (that is, how many employees share each last name) (4 points)

select last\_name,count(last\_name) as Frequency

from employees

group by last\_name

order by frequency desc;