CREATE TABLE department

(dept\_no varchar(30),

dept\_name varchar(30)not null,

PRIMARY KEY (dept\_no)

);

DROP TABLE IF EXISTS dept\_emp;

CREATE TABLE dept\_emp

(emp\_no int not null,

dept\_no varchar(30),

CONSTRAINT y FOREIGN KEY(emp\_no) REFERENCES employee (emp\_no));

DROP TABLE IF EXISTS manager;

CREATE TABLE manager

(dept\_no varchar(30),

emp\_no int,

CONSTRAINT x FOREIGN KEY(emp\_no) REFERENCES employee (emp\_no));

DROP TABLE IF EXISTS employee;

CREATE TABLE employee

(emp\_no int,

emp\_title\_id varchar(30),

birth\_date varchar(30),

first\_name varchar(30),

last\_name varchar(30),

sex varchar(4),

hire\_date varchar(30),

PRIMARY KEY (emp\_no));

DROP TABLE IF EXISTS salaries;

CREATE TABLE salaries

(emp\_no int,

salary int,

CONSTRAINT x FOREIGN KEY(emp\_no) REFERENCES employee (emp\_no));

CREATE TABLE titles

(title\_id varchar(30),

title varchar(30),

PRIMARY KEY (title\_id));

Select employee.emp\_no, employee.last\_name, employee.first\_name, employee.sex, salaries.salary

from employee, salaries

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

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

from employee

WHERE TO\_DATE(hire\_date,'MM/DD/YYYY')

BETWEEN to\_date('01/01/1986','MM/DD/YYYY')

AND to\_date('12/31/1986','MM/DD/YYYY')

select manager.emp\_no, manager.dept\_no, department.dept\_name, manager.emp\_no, employee.last\_name, employee.first\_name

from manager, department, employee

where manager.emp\_no = employee.emp\_no and manager.dept\_no = department.dept\_no

select dept\_emp.dept\_no, dept\_emp.emp\_no, employee.last\_name, employee.first\_name, department.dept\_name

from dept\_emp, employee, department

where dept\_emp.emp\_no = employee.emp\_no and dept\_emp.dept\_no = department.dept\_no

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

from employee

where first\_name = 'Hercules' and substring(last\_name from '.') = 'B'

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

from employee, dept\_emp, department

where employee.emp\_no = dept\_emp.emp\_no and dept\_emp.dept\_no = department.dept\_no and department.dept\_name = 'Sales'

select employee.emp\_no, employee.last\_name, employee.first\_name, department.dept\_name

from employee, dept\_emp, department

where employee.emp\_no = dept\_emp.emp\_no and dept\_emp.dept\_no = department.dept\_no and (department.dept\_name = 'Sales' or department.dept\_name = 'Development')

select Count(employee.last\_name), last\_name

from employee

group by employee.last\_name order by count(last\_name)desc;