--creating table for departments

drop table departments;

create table departments (dept\_no varchar(200),dept\_name varchar(100));

COPY departments(dept\_no,dept\_name)

FROM '/Users/sadiasleweon/Desktop/EmployeeSQL/departments.csv' DELIMITER ',' CSV HEADER;

select\*from departments;

--creating table for salaries

drop table salaries;

create table salaries(emp\_no varchar(200),salary varchar(600),from\_date varchar (400),to\_date varchar(400));

copy salaries(emp\_no,salary,from\_date,to\_date)

from '/Users/sadiasleweon/Desktop/EmployeeSQL/salaries.csv' DELIMITER ',' CSV HEADER;

select \* from salaries;

--create table for employees

create table employees(emp\_no varchar(200), birth\_date varchar (400),first\_name varchar (400),last\_name varchar (400),gender varchar (400),

hire\_date varchar (400));

copy employees(emp\_no,birth\_date,first\_name,last\_name,gender,hire\_date)

from '/Users/sadiasleweon/Desktop/EmployeeSQL/employees.csv' DELIMITER ',' CSV HEADER;

--create table for dept\_emp

create table dept\_emp(emp\_no varchar(200),dept\_no varchar (200),

from\_date varchar (400),to\_date varchar(400));

copy dept\_emp(emp\_no,dept\_no,from\_date,to\_date)

from '/Users/sadiasleweon/Desktop/EmployeeSQL/dept\_emp.csv' DELIMITER ',' CSV HEADER;

-- create table for title

create table titles (emp\_no varchar(200), title varchar(400),from\_date varchar (400),to\_date varchar(400));

copy titles (emp\_no,title,from\_date,to\_date)

from '/Users/sadiasleweon/Desktop/EmployeeSQL/titles.csv' DELIMITER ',' CSV HEADER;

--create dept\_manager table

drop table dept\_manager;

create table dept\_manager(dept\_no varchar (200),emp\_no varchar(200),from\_date varchar(400),to\_date varchar(400));

copy dept\_manager(dept\_no,emp\_no,from\_date,to\_date)

from '/Users/sadiasleweon/Desktop/EmployeeSQL/dept\_manager.csv' DELIMITER ',' CSV HEADER;

--name employee: employee number, last name,first name,gender and salary

select \* from employees;

select employees.emp\_no,employees.last\_name,employees.first\_name,employees.gender,salaries.salary

from salaries

inner join employees on

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

--list employees who were hired in 1986

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

where hire\_date= '1986-12-01';

--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 \* from dept\_manager;

select dept\_manager.dept\_no, departments.dept\_name,dept\_manager.emp\_no,employees.last\_name,employees.first\_name,

dept\_manager.from\_date, dept\_manager.to\_date

from departments

inner join dept\_manager on

dept\_manager.dept\_no=departments.dept\_no

inner join employees on employees.emp\_no = dept\_manager.emp\_no;

--List the department of each employee with the following information: employee number, last name, first name, and department name.

select \* from departments;

select \* from employees;

select\*from dept\_emp;

select employees.last\_name,employees.first\_name,dept\_emp.emp\_no,departments.dept\_name

from dept\_emp join employees on dept\_emp.emp\_no = employees.emp\_no

join departments on dept\_emp.dept\_no=departments.dept\_no;

--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%';

--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

join employees on dept\_emp.emp\_no=employees.emp\_no

join departments on dept\_emp.dept\_no=departments.dept\_no where departments.dept\_name='Sales';

--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

join employees on dept\_emp.emp\_no=employees.emp\_no

join departments on dept\_emp.dept\_no=departments.dept\_no where departments.dept\_name='Sales' or departments.dept\_name='Development';

--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 "frequency" from employees

group by last\_name

order by

count (last\_name) desc;