```sql
create database assignment_6;
create table locations(
    location_id serial primary key,
    stream_address varchar(25),
    postal_code varchar(12),
    city varchar(30),
    state_province varchar(12)
);

create table departments(
    department_id serial primary key,
    department_name varchar(50) unique,
    budget integer,
    location_id integer references locations
);

create table employees(
    employee_id serial primary key,
    first_name varchar(50),
    last_name varchar(50),
    email varchar(50),
    phone_number varchar(20),
    salary integer,
    department_id integer references departments(department_id)
);

insert into locations(location_id, stream_address, postal_code, city,
state_province)
values (1700, 'Abay_Lenina', '512456', 'Almaty', 'Kazakhstan');

insert into locations(location_id, stream_address, postal_code, city,
state_province)
values (1800, 'Abernathy', '512895', 'Ambulants', 'Turkey');

insert into locations(location_id, stream_address, postal_code, city,
state_province)
values (1900, 'Rozybakieva', '657589', 'Astana', 'Kazakhstan');

insert into locations(location_id, stream_address, postal_code, city,
state_province)
values (2000, 'BitBake', '134512', 'Tal-gar', 'China');

insert into locations(location_id, stream_address, postal_code, city,
state_province)
values (2100, 'Maharajahs', '512895', 'Kavya', 'Brazil');

insert into departments(department_id, department_name, budget, location_id)
values (30, 'Purchasing', 114, 1700);

insert into departments(department_id, department_name, budget, location_id)
values (50, 'Shipping', 121, 1800);

insert into departments(department_id, department_name, budget, location_id)
values (60, 'IT', 156, 1700);

insert into departments(department_id, department_name, budget, location_id)
values (70, 'Public Relations', 204, 2000);

insert into departments(department_id, department_name, budget, location_id)
values (80, 'Sales', 145, 2100);

insert into employees(employee_id, first_name, last_name, email,
phone_number, salary, department_id)
values (100, 'Steven', 'King', 'SKING', '515.123.4567', 24000, 80);
```

```sql
insert into employees(employee_id, first_name, last_name, email,
phone_number, salary, department_id)
values (101, 'Nurtas', 'Serikkanov', 'nurtas_serikkanov@mail.ru', '8-700-515-
10-17', 2100000, 60);

delete from employees where email='nurtas_serikkanov@mail.ru';

insert into employees(employee_id, first_name, last_name, email,
phone_number, salary, department_id)
values (104, 'Alexander', 'Hunold', 'AHUNOLD', '590.423.4567', 980000, 70);

insert into employees(employee_id, first_name, last_name, email,
phone_number, salary, department_id)
values (102, 'Kairat', 'Berikov', 'berikov@mail.ru', '8-707-685-59-26',
42500, 30);

insert into employees(employee_id, first_name, last_name, email,
phone_number, salary, department_id)
values (103, 'Neena', 'Kochhar', 'NKOCHHAR', '515.123.4568', 350000, 50);

-- 4
select first_name, last_name, department_id, department_name from employees
join departments using (department_id);

-- 5
select first_name, last_name, department_id, department_name
from employees join departments using(department_id)
where department_id=80 or department_id=30;

-- 6
select e.first_name, e.last_name, e.department_id, l.city, l.state_province
from employees e join departments d on (e.department_id=d.department_id)
    join locations l using (location_id);

-- 7
select * from departments d
    left outer join employees e on d.department_id = e.department_id;

-- 8
select first_name, last_name, e.department_id, department_name from employees
e
    join departments d on e.department_id = d.department_id;

-- 9
select last_name, first_name, city from employees
    join locations on employee_id = location_id where city ='Moscow';
```