Laboratory work #6

Please write SQL queries for following tasks and save as .sql file.
Use only joins.

1. Create database called «lab6»
2. Create following tables:

```sql
CREATE TABLE locations(
  location_id SERIAL PRIMARY KEY ,
  street_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
);
```

3. Select the first name, last name, department id, and department name for each employee.
4. Select the first name, last name, department id and department name, for all employees for departments 80 or 40.

5. Select the first and last name, department, city, and state province for each employee.
6. Select all departments including those where does not have any employee.
7. Select the first name, last name, department id and name, for all employees who have or have not any department.