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,
  manager_id    INTEGER REFERENCES employees,
  department_id INTEGER REFERENCES departments
);

CREATE TABLE job_grades (
  grade          CHAR(1),
  lowest_salary  INTEGER,
  highest_salary INTEGER
)
```

3. Select the first and last name, department_name, city, and state province for each employee.
4. Select the first name, last name, salary, and job grade for all employees.
5. Select the first and last name and salary for those employees who earn less than the employee earn whose number is 120. (Using join)
6. Select the first name of all employees including the first name of their manager.
7. Select the first name, last name, department id and name, for all employees who have or have not any department.