JAVA PRACTICE ASSESSMENT 4

Overview: Within MySQL Workbench, run the provided setup code to create the initial tables. Then complete SQL code for the four numbered bullets below.

Setup:
First, copy-paste the code from `setup.sql` into MySQL Workbench. (After you run it, refresh to see the new tables.) It creates two tables: **boxes** and **reviews**. It also adds three rows to the **boxes** table and 5 rows to the **reviews** table. This provides the starting point for the questions below.

Submission:
In the provided SQL file `part1-answers.sql`, paste the SQL code for each of the four numbered bullets below. You do not need to submit the results of the queries, just the SQL code itself.

Department

Id	Name	Hiring	Location
1	Technology	True	1570 Woodward Ave.
2	Shipping & Receiving	False	Southfield

Employee

SSN	DOB	Phone	FirstName	LastName	Department
123456789	1/5/1975	3135555505	Charles	Charleston	Shipping & Receiving
987654321	5/2/1990	2489995555	Jimmy	Scrambles	Technology
456789123	8/6/2001	7895555525	Vince	Jabowski	Technology
654854632	4/6/1988	3139721400	John	Johnston	Shipping & Receiving

Questions:

1. Create a database called **CompanyDb**.
2. Construct a table called **Department**. Department has the following columns:
    a. **Id** - int PK auto-increment
    b. **Name** - nvarchar 25 NOT NULL
    c. **Hiring** - bit
    d. **Location** - nvarchar 50
3. Add the two departments from above to the table.
4. Construct a table named **Employee**. Employee has the following columns.

    a. **SSN** - nchar 9 PK
    b. **DOB** - DATE
    c. **Phone** - nchar 10
    d. **FirstName** - nvarchar 30 NOT NULL
    e. **LastName** - nvarchar 30 NOT NULL
    f. **DepartmentId** - This is a foreign key reference to Departments. Choose the appropriate data type. (Note this is a many-to-one relationship: many employees to one department.)
5. Add the 4 employees from above to the table.
6. Update the youngest employee to have a LastName of **Spiderman**.
7. Select all employees with the LastName that starts with **J**.
8. Remove the oldest employee.
9. Select all employees with a **313** area code.
10. Select all employees that have a DOB before **9/9/1999**.
11. Update the employees with DOB after **2000** to have no phone number.
12. Select all employees that do not have a phone number.
13. Use one statement to list all employees along with the name and location of the department the employee belongs to.
14. Delete both tables and all their contents from the database.