This is an extra credit assignment. Submit it by the due date to earn 4 extra credits.

Below is an ERD showing the 1:M relationship between Department and Employee entity types.

Where {} indicates multi-valued.

This relationship is modeled as a Department JSON object as:

Department:
- deptID,
- deptName,
- deptRoom,
- deptPhones:[phonenumber],
- employees: [{empID, empName, empPhone, empEmails:[email]}]

**Part 1:** Open the mydatabase database we created earlier and create a new department table with two fields:

- documentid (as an integer field)
- Jsondocument (as a JSON field)

And add around 3 departments and each with 2 or 3 employees. And you may use the online JSON validator at this link to validate your JSON documents:
[https://jsonformatter.curiousconcept.com/#](https://jsonformatter.curiousconcept.com/#)

**Part 2:** Use JSON query statements to answer the following questions:

Q1: Select all the records in the table.
Q2: Create a query to show: deptID, deptName, deptRoom, deptPhones
Q3: Create a query to show: deptName, numberOfemployees.
Q4: A query to retrieve all the employees of a department of your choice using deptName as criteria (where deptName = ‘your choice’ and show: deptName, employees)

Q5: A query to retrieve all the employees’ name and emails of a department of your choice using deptName as criteria (where deptName = ‘your choice’ and show: deptName, employee name, employeeEmails)