```sql
-- a: Outerjoin (OUTER JOIN DOESNT WORK IN SQLITE)
-- List all the employee names, and if they have a license, display their license
-- number and expiration date. List all employee names regardless if they have a license.
SELECT p.FName, p.Lname, l.LicenseNumber, l.ExpirationDate
FROM Person p
INNER JOIN Employee e ON e.EmployeeID = p.PersonID
LEFT JOIN Licensure l ON e.EmployeeID = l.MedicalID;



-- b: Aggregate Functions
-- Find the total number of allergies grouped by patient
SELECT p.LName, p.FName, COUNT(*) AS AllergyCount
FROM Person p
INNER JOIN Patient pa ON p.PersonID = pa.PatientID
INNER JOIN Patient_Allergy pal ON pa.PatientID = pal.PatientID
INNER JOIN Allergy a ON pal.AllergyID = a.AllergyID
GROUP BY pa.PatientID;



-- c: Extra Entities
-- List the name and state of address for each person where the address is valid
SELECT Person.fname, Person.Lname, Zipcode.State
FROM Person, Person_Address, Address, Zipcode
WHERE Person_Address.PersonID = Person.PersonID
AND Person_Address.AddressStatus='valid'
GROUP BY Person.fname, Person.Lname;
```