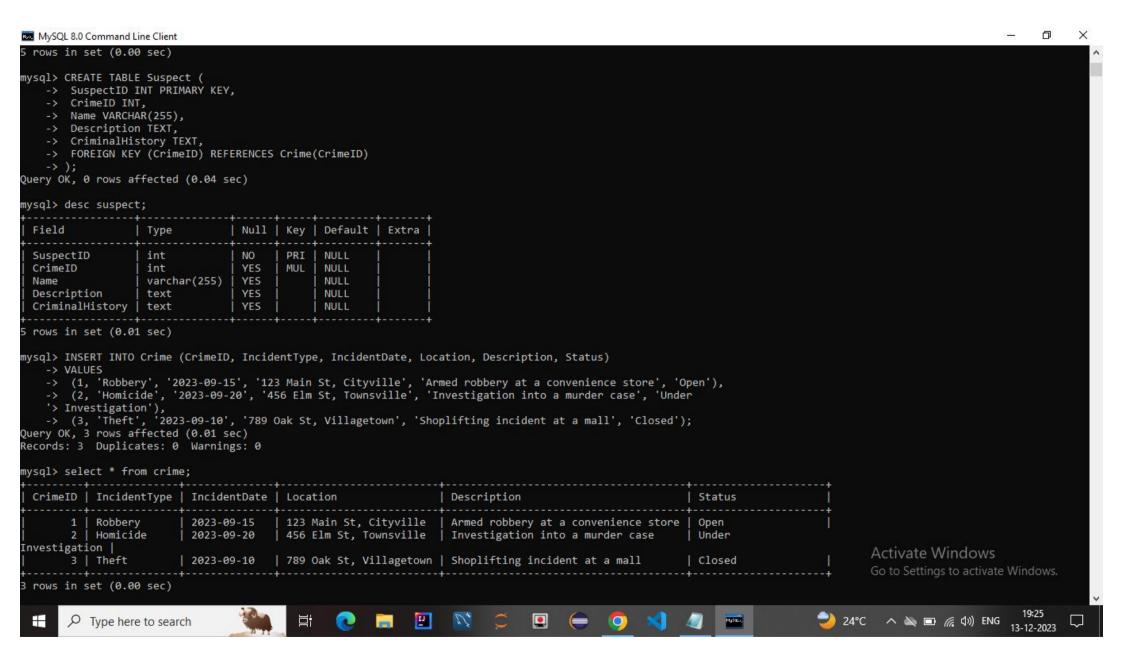
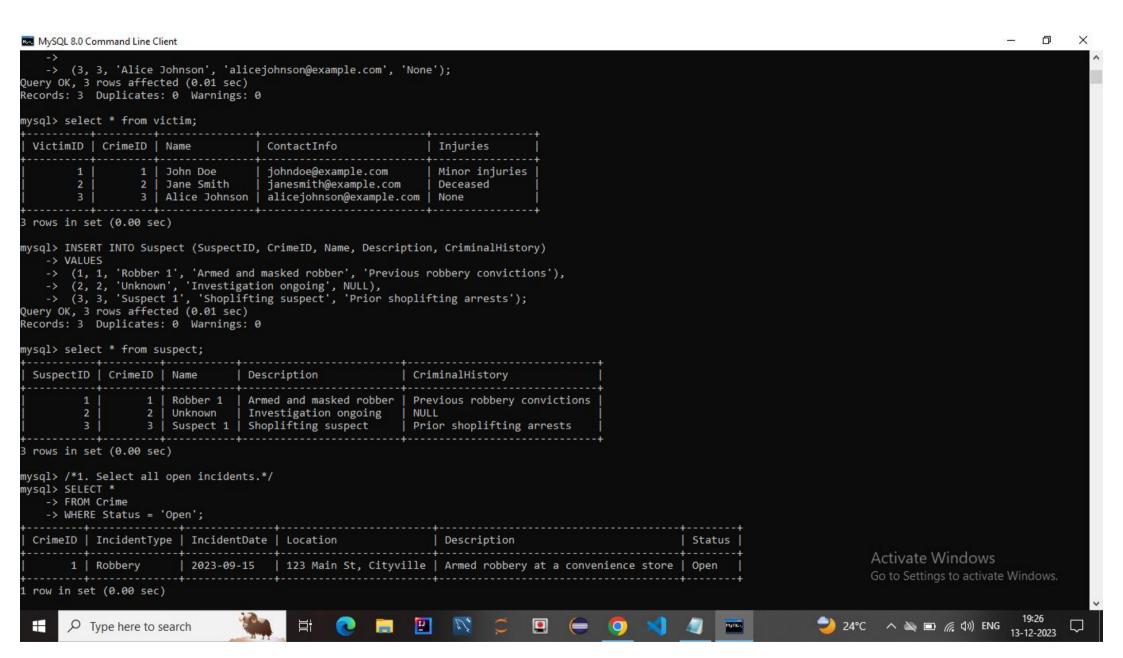
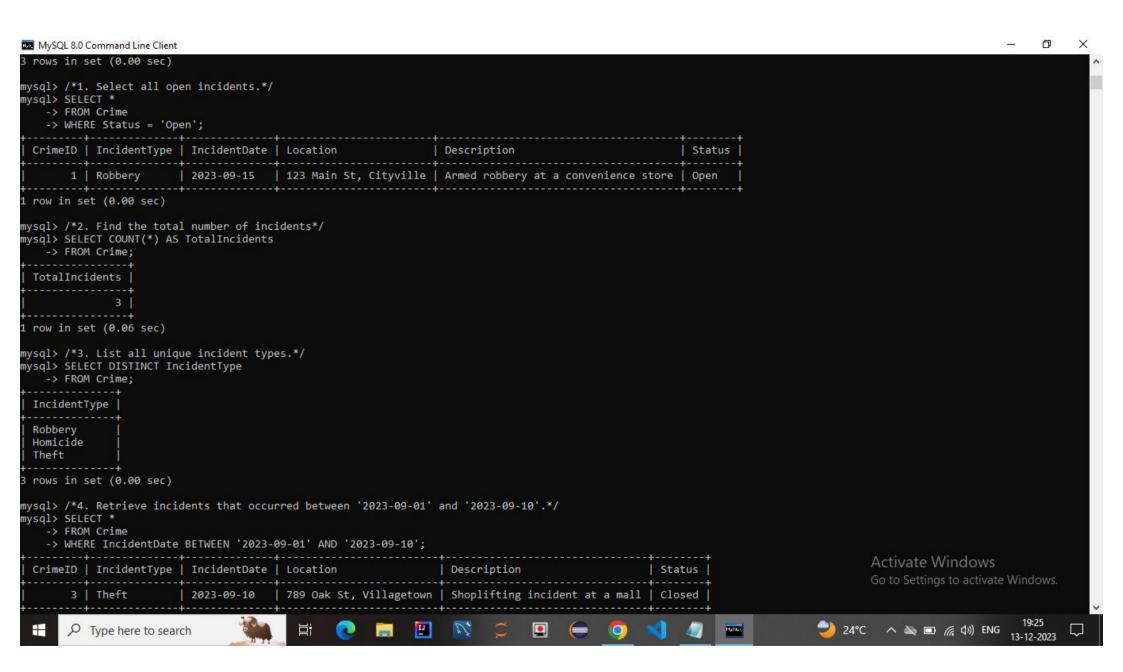
MySQL 8.0 Command Line Client mysql> /*Coding Challenge SQL /*> Crime Management Shema DDL and DML*/ mysql> CREATE DATABASE IF NOT EXISTS CrimeManagement; Query OK, 1 row affected (0.03 sec) mysql> use crimemanagement; Database changed mysql> CREATE TABLE Crime (-> CrimeID INT PRIMARY KEY, -> IncidentType VARCHAR(255), -> IncidentDate DATE, -> Location VARCHAR(255), -> Description TEXT, -> Status VARCHAR(20) Query OK, 0 rows affected (0.23 sec) mysal> desc crime; Null | Key | Default | Extra Field Type CrimeID PRI | NULL int IncidentType | varchar(255) YES NULL IncidentDate | date YES NULL Location varchar(255) YES NULL Description YES text NULL Status varchar(20) YES NULL f rows in set (0.03 sec) mysql> CREATE TABLE Victim (-> VictimID INT PRIMARY KEY, -> CrimeID INT, -> Name VARCHAR(255), -> ContactInfo VARCHAR(255), -> Injuries VARCHAR(255), -> FOREIGN KEY (CrimeID) REFERENCES Crime(CrimeID) ->); Query OK, 0 rows affected (0.07 sec) **Activate Windows** Go to Settings to activate Windows. mysql> desc victim; | Null | Key | Default | Extra | Field Type 24°C ∧ ⋈ □ (€ む)) ENG Type here to search 13-12-2023







口 MvSOL 8.0 Command Line Client -----3 rows in set (0.00 sec) mysql> /*5. List persons involved in incidents in descending order of age./ /*> */ mysql> SELECT Name, Age -> FROM Victim -> WHERE AGE IS NOT NULL -> ORDER BY Age DESC; ERROR 1054 (42522): Unknown column 'Age' in 'field list' mysql> /*6. Find the average age of persons involved in incidents.*/ mysql> SELECT AVG(Age) AS AverageAge -> FROM Victim; ERROR 1054 (42S22): Unknown column 'Age' in 'field list' mysql> mysql> /*7.List incident types and their counts, only for open cases*/ mysql> SELECT IncidentType, COUNT(*) AS IncidentCount -> FROM Crime -> WHERE Status = 'Open' -> GROUP BY IncidentType; -----+ IncidentType | IncidentCount | 1 row in set (0.00 sec) mysql> /*8.. Find persons with names containing 'Doe'. /*> /*> */ mysql> SELECT * -> FROM Victim -> WHERE Name LIKE '%Doe%'; VictimID | CrimeID | Name | ContactInfo | Injuries 1 | John Doe | johndoe@example.com | Minor injuries | -----1 row in set (0.00 sec) **Activate Windows** mysql> _ Go to Settings to activate Windows. 23°C ^ ➡ 🗖 🦟 ₵») ENG 13-12-2023 Type here to search

口 MySQL 8.0 Command Line Client 1 row in set (0.00 sec) mysql> /*9. Retrieve the names of persons involved in open cases and closed cases*/ mysql> SELECT Name -> FROM Victim V -> JOIN Crime C ON V.CrimeID = C.CrimeID -> WHERE C.Status IN ('Open', 'Closed'); Name John Doe Alice Johnson rows in set (0.00 sec) mysql> SELECT Name -> FROM Suspect S -> JOIN Crime C ON S.CrimeID = C.CrimeID -> WHERE C.Status IN ('Open', 'Closed'); Name Robber 1 Suspect 1 2 rows in set (0.00 sec) mysql> /*10. List incident types where there are persons aged 30 or 35 involved.*/ mysql> SELECT DISTINCT C.IncidentType -> FROM Crime C -> JOIN Victim V ON C.CrimeID = V.CrimeID -> WHERE V.Age IN (30, 35); ERROR 1054 (42522): Unknown column 'V.Age' in 'where clause' mysql> mysql> /*11. Find persons involved in incidents of the same type as 'Robbery'*/ mysql> SELECT V.* -> FROM Victim V -> JOIN Crime C ON V.CrimeID = C.CrimeID -> WHERE C.IncidentType = 'Robbery'; **Activate Windows** VictimID | CrimeID | Name ContactInfo Injuries Go to Settings to activate Windows. 1 | John Doe | johndoe@example.com | Minor injuries ------23°C ^ ፟ □ // (Φ)) ENG 13-12-2023 Type here to search

MvSOL 8.0 Command Line Client mysal> /*12. List incident types with more than one open case. mysql> SELECT IncidentType, COUNT(*) AS OpenCasesCount -> FROM Crime -> WHERE Status = 'Open' -> GROUP BY IncidentType -> HAVING COUNT(*) > 1; Empty set (0.00 sec) mysql> /*13. List all incidents with suspects whose names also appear as victims in other incidents*/ mysql> SELECT DISTINCT C.* -> FROM Crime C -> JOIN Suspect S ON C.CrimeID = S.CrimeID -> JOIN Victim V ON S.Name = V.Name AND C.CrimeID <> V.CrimeID: Empty set (0.01 sec) mysql> /*14. Retrieve all incidents along with victim and suspect details. /*> */ mysql> SELECT C.*, V. VictimID, V. Name AS VictimName, V. ContactInfo, V. Injuries, S.SuspectID, S.Name AS SuspectName, S.Description AS SuspectDescription, S.CriminalHistory -> FROM Crime C -> LEFT JOIN Victim V ON C.CrimeID = V.CrimeID -> LEFT JOIN Suspect S ON C.CrimeID = S.CrimeID; CrimeID | IncidentType | IncidentDate | Location | Description | VictimID | VictimName ContactInfo | Injuries | SuspectID | SuspectName | SuspectDescription | CriminalHistory | 1 | Robbery | 2023-09-15 | 123 Main St, Cityville | Armed robbery at a convenience store | Open 1 John Doe johndoe@exam | Minor injuries | 1 | Robber 1 | Armed and masked robber | Previous robbery convictions | ple.com | 2023-09-20 | 456 Elm St, Townsville | Investigation into a murder case | Under 2 | Homicide 2 | Jane Smith | janesmith@example.com | Deceased Investigation | 2 Unknown Investigation ongoing | NULL Agtivate Windows | alicejohnson 3 | Theft | 2023-09-10 | 789 Oak St, Villagetown | Shoplifting incident at a mall | Closed Go to Settings to activate Windows. @example.com | None 3 | Suspect 1 | Shoplifting suspect | Prior shoplifting arrests

Type here to search

🔁 23°C \land 🔌 🗖 🌈 🕼 ENG

MvSOL 8.0 Command Line Client mysql> /*15. Find incidents where the suspect is older than any victim.*/ mysal> SELECT DISTINCT C.* -> FROM Crime C -> JOIN Suspect S ON C.CrimeID = S.CrimeID -> JOIN Victim V ON C.CrimeID = V.CrimeID -> WHERE S.Age > ANY (SELECT Age FROM Victim WHERE CrimeID = C.CrimeID); ERROR 1054 (42522): Unknown column 'S.Age' in 'IN/ALL/ANY subquery' mysal> /*16. Find suspects involved in multiple incidents:*/ mysql> SELECT S.SuspectID, S.Name AS SuspectName, COUNT(*) AS IncidentCount -> FROM Suspect S -> GROUP BY S.SuspectID, S.Name -> HAVING COUNT(*) > 1; Empty set (0.00 sec) mysql> /*17. List incidents with no suspects involved.*/ mysql> SELECT C.* -> FROM Crime C -> LEFT JOIN Suspect S ON C.CrimeID = S.CrimeID -> WHERE S.SuspectID IS NULL; Empty set (0.00 sec) mysql> /*18. List all cases where at least one incident is of type 'Homicide' and all other incidents are of type /*> 'Robbery'*/ mysql> SELECT C.CrimeID, C.IncidentType, C.IncidentDate, C.Location, C.Description, C.Status -> FROM Crime C -> WHERE (C.IncidentType = 'Homicide' AND NOT EXISTS (SELECT 1 FROM Crime WHERE CrimeID = C.CrimeID AND IncidentType <> 'Homicide')) (C.IncidentType = 'Robbery' AND NOT EXISTS (SELECT 1 FROM Crime WHERE CrimeID = C.CrimeID AND IncidentType <> 'Robbery')); +-----+ CrimeID | IncidentType | IncidentDate | Location | Description | Status 1 Robbery | 2023-09-15 | 123 Main St, Cityville | Armed robbery at a convenience store | Open 2 | Homicide | 2023-09-20 | 456 Elm St, Townsville | Investigation into a murder case Investigation | 2 rows in set (0.00 sec) mysql> **Activate Windows** Go to Settings to activate Windows.

P Type here to search

② 23°C ヘ 🔌 🗈 🦟 ⑴)ENG 13-12-2023

