# **Coding challenge 3**

# **Crime Management**

### **Table Creation**

```
SQLAdditions
· | 49 $1 $5
                                                                                                                                       My Snippets
       /* table creation*/
 6 • ⊖ CREATE TABLE Crime (
        CrimeID INT PRIMARY KEY,
        IncidentType VARCHAR(255),
        Location VARCHAR(255).
        Description TEXT,
11
        Status VARCHAR(20)
13
14
 15 • ⊖ CREATE TABLE Victim (
16
        VictimID INT PRIMARY KEY,
17
        CrimeID INT.
       ContactInfo VARCHAR(255),
Injuries VARCHAR(255),
 19
20
        FOREIGN KEY (CrimeID) REFERENCES Crime(CrimeID)
22
23
24 • ⊝ CREATE TABLE Suspect (
25
        SuspectID INT PRIMARY KEY,
26
        CrimeID INT,
        Description TEXT,
 28
 29
        CriminalHistory TEXT.
        FOREIGN KEY (CrimeID) REFERENCES Crime(CrimeID)
 31
 32
                                                                                                                                     Context Help Snippets
```

#### **Data Insertion**

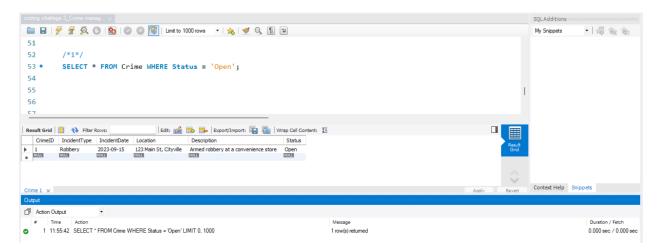
```
INSERT INTO Crime (CrimeID, IncidentType, IncidentDate, Location, Description, Status)
          (1, 'Robbery', '2023-09-15', '123 Main St, Cityville', 'Armed robbery at a convenience store', 'Open'),
(2, 'Homicide', '2023-09-20', '456 Elm St, Townsville', 'Investigation into a murder case', 'Under Investigation'),
(3, 'Theft', '2023-09-10', '789 Oak St, Villagetown', 'Shoplifting incident at a mall', 'Closed');
36
37
39
40 • INSERT INTO Victim (VictimID, CrimeID, Name, ContactInfo, Injuries)
41
          (1, 1, 'John Doe', 'johndoe@example.com', 'Minor injuries'),
43
          (2, 2, 'Jane Smith', 'janesmith@example.com', 'Deceased'),
44
          (3, 3, 'Alice Johnson', 'alicejohnson@example.com', 'None');
46 • INSERT INTO Suspect (SuspectID, CrimeID, Name, Description, CriminalHistory)
47
        VALUES
          (1, 1, 'Robber 1', 'Armed and masked robber', 'Previous robbery convictions'),
           (2, 2, 'Unknown', 'Investigation ongoing', NULL),
        (3, 3, 'Suspect 1', 'Shoplifting suspect', 'Prior shoplifting arrests');
```

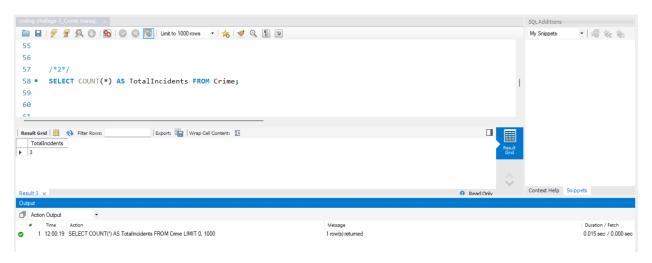
# **Output**

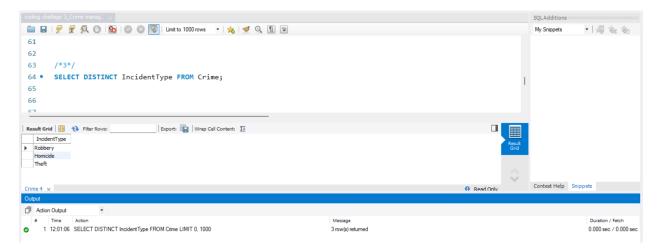
Out	put :				
đ	Acti	ion Output	•		
	#	Time	Action	Message	Duration / Fetch
0	1	1 11:47:47	create database Crime_management	1 row(s) affected	0.328 sec
0	2	2 11:47:57	use crime_management	0 row(s) affected	0.000 sec
•	3	3 11:49:00	CREATE TABLE Crime ( CrimeID INT PRIMARY KEY, IncidentType VARCHAR(255), IncidentDate DATE, L	0 row(s) affected	1.000 sec
0	4	4 11:49:16	CREATE TABLE Victim ( VictimID INT PRIMARY KEY, CrimeID INT, Name VARCHAR(255), ContactInfo VA	0 row(s) affected	0.344 sec
0		5 11:49:36	CREATE TABLE Suspect ( SuspectID INT PRIMARY KEY, CrimeID INT, Name VARCHAR(255), Descriptio	0 row(s) affected	0.296 sec
0	(	6 11:50:00	INSERT INTO Crime (CrimeID, IncidentType, IncidentDate, Location, Description, Status) VALUES (1, 'Robbery',	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.218 sec
•	7	7 11:50:22	INSERT INTO Victim (VictimID, CrimeID, Name, ContactInfo, Injuries) VALUES (1, 1, 'John Doe', johndoe@exa	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.078 sec
0		8 11:50:25	INSERT INTO Suspect (SuspectID, CrimeID, Name, Description, CriminalHistory) VALUES (1, 1, 'Robber 1', 'Arm	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.047 sec

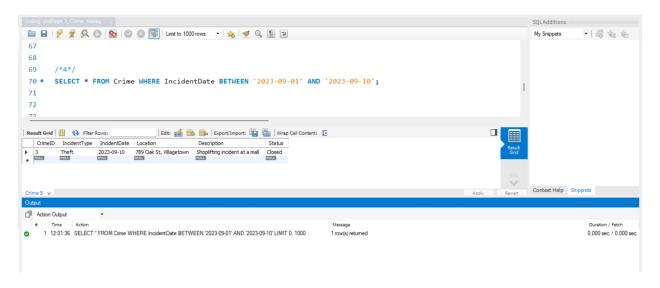
# **Queries:**

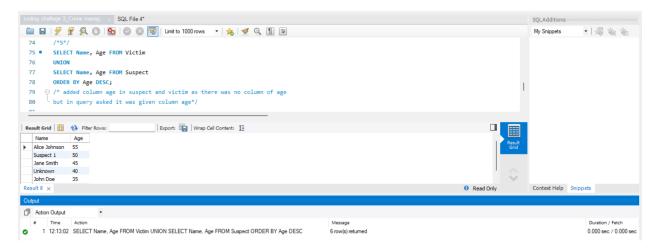
#### 1.

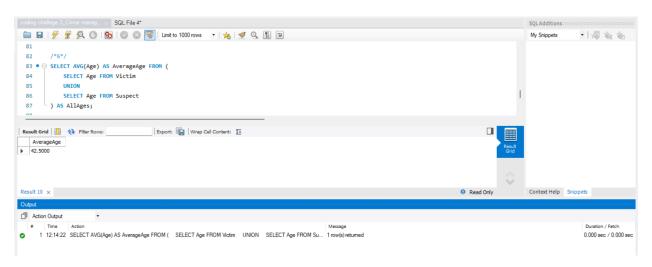


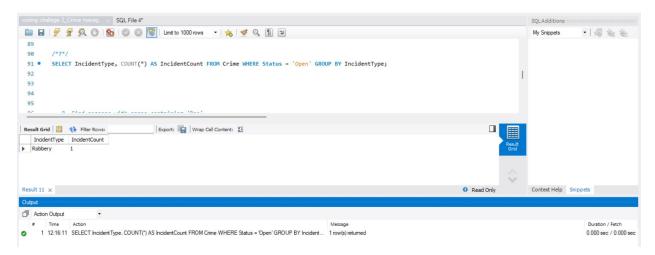


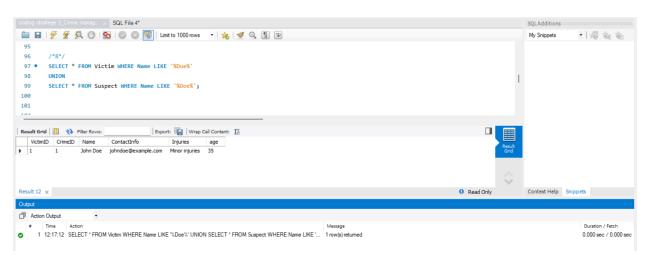


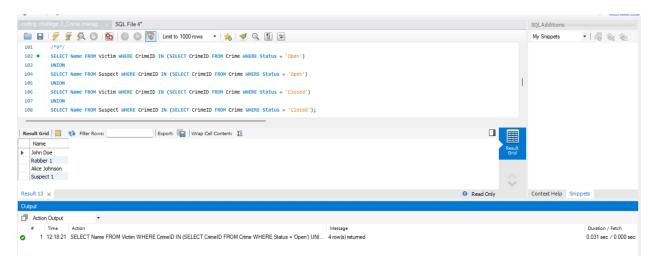


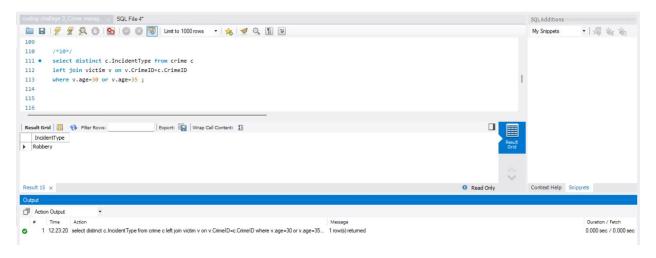


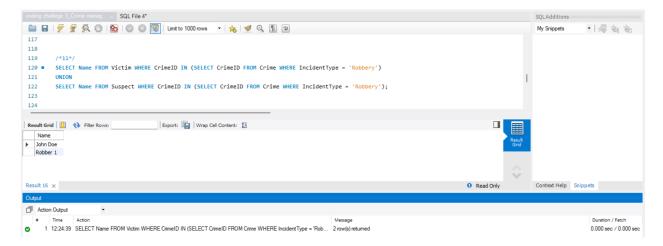


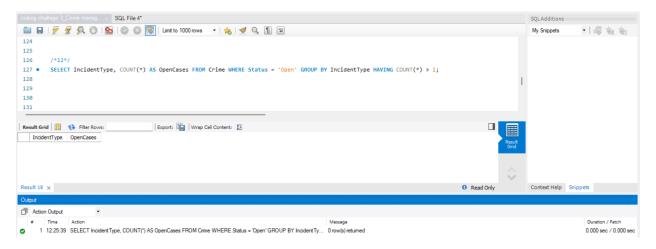


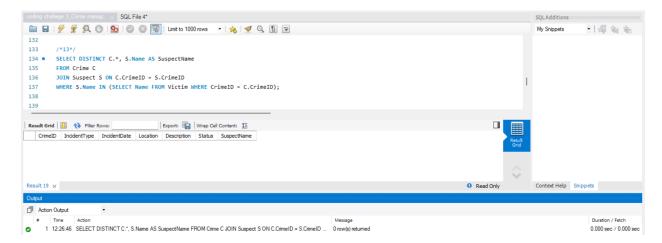


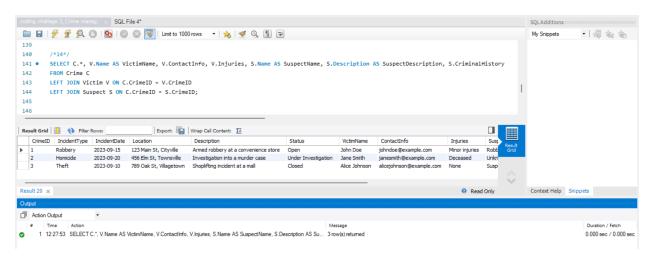


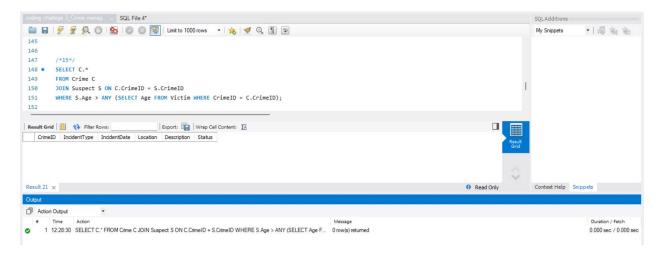


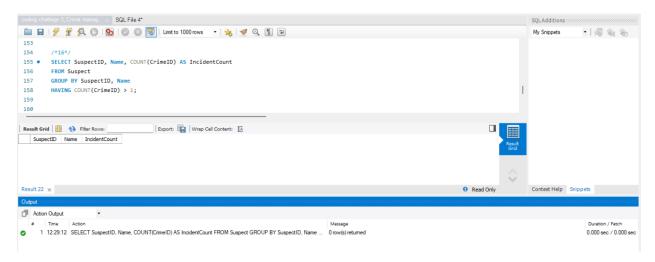












### **17**

