Crime Management

1 Select all open incidents.

```
SELECT * FROM Crime WHERE Status = "Open";
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Cor

CrimeID	IncidentType	IncidentDate	Location	Description	Status
1	Robbery	2023-09-15	123 Main St, Cityville	Armed robbery at a convenience store	Open

2. Find the total number of incidents.

```
SELECT COUNT(*) AS Incident_Count FROM Crime
```

Result Grid | Filter Rows: | Export: | Wr

Incident_Count
3

3. List all unique incident types.

```
SELECT DISTINCT(IncidentType) AS Incident_Type FROM Crime
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Incident_Type
Robbery
Homicide
Theft

4. Retrieve incidents that occurred between '2023-09-01' and '2023-09-10'.

```
SELECT *  FROM Crime
WHERE IncidentDate BETWEEN "2023-09-01" AND "2023-09-10";
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap

CrimeID	IncidentType	IncidentDate	Location	Description	Status
3	Theft	2023-09-10	789 Oak St, Villagetown	Shoplifting incident at a mall	Closed

5. List persons involved in incidents in descending order of age.

```
SELECT * FROM Suspect ORDER BY age DESC;
```

6. Find the average age of persons involved in incidents

```
SELECT AVG(age) AS "Average_age" FROM Suspect;
```

7. List incident types and their counts, only for open cases.

```
SELECT IncidentType, COUNT(CrimeID) AS
No_of_Crimes FROM Crime
WHERE Status = "Open" GROUP BY IncidentType
```

Result Grid | Filter Rows: | Export: | W

IncidentType	No_of_Crimes
Robbery	1

8. Find persons with names containing 'Doe'.

```
SELECT * FROM Suspect s JOIN Victim v
ON s.CrimeID = v.CrimeID
WHERE s.Name LIKE "%Doe%" OR v.Name LIKE "%Doe%";
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

SuspectID	CrimeID	Name	Description	CriminalHistory	VictimID	CrimeID	Name	ContactInfo	Injuries
1	1	Robber 1	Armed and masked robber	Previous robbery convictions	1	1	John Doe	johndoe@example.com	Minor injuries

9. Retrieve the names of persons involved in open cases and closed cases.

```
SELECT v.Name FROM Suspect s JOIN Victim v
ON s.CrimeID = v.CrimeID
JOIN Crime c ON c.CrimeID = s.CrimeID
WHERE c.status = "Open" OR c.status = "Closed";
```

Result Grid | Filter Rows: | Export: | Wrap C

Name
John Doe
Alice Johnson

10. List incident types where there are persons aged 30 or 35 involved.

```
SELECT c.IncidentType FROM Suspect s JOIN Victim v
ON s.CrimeID = v.CrimeID
JOIN Crime c ON c.CrimeID = s.CrimeID
WHERE (v.age BETWEEN 30 AND 35) OR (s.age BETWEEN 30 AND 35);
```

11. Find persons involved in incidents of the same type as 'Robbery'.

```
SELECT v.Name FROM Suspect s JOIN Victim v
ON s.CrimeID = v.CrimeID
JOIN Crime c ON c.CrimeID = s.CrimeID
WHERE c.IncidentType = "Robbery";
```

Result Grid | Filter Rows: | Export:

Name
John Doe

12. List incident types with more than one open case.

```
SELECT c.IncidentType, COUNT(s.CrimeID) AS IncidentTypeCount
FROM Suspect s JOIN Victim v
ON s.CrimeID = v.CrimeID
JOIN Crime c ON c.CrimeID = s.CrimeID
WHERE c.status = "Open"
GROUP BY c.IncidentType HAVING COUNT(s.CrimeID)>1;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

IncidentType	IncidentTypeCount

13. List all incidents with suspects whose names also appear as victims in other incidents.

```
SELECT c.*, s.*
FROM Suspect s
JOIN Crime c ON c.CrimeID = s.CrimeID
WHERE s.Name IN (SELECT v.Name FROM Victim v);
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

CrimeID	IncidentType	IncidentDate	Location	Description	Status	SuspectID	CrimeID	Name	Description	CriminalHistory

14. Retrieve all incidents along with victim and suspect details.

```
SELECT s.*, v.VictimID, v.Name, v.ContactInfo, v.Injuries, c.*
FROM Suspect s JOIN Victim v
ON s.CrimeID = v.CrimeID
JOIN Crime c ON c.CrimeID = s.CrimeID;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

SuspectID	CrimeID	Name	Description	CriminalHistory	VictimID	Name	ContactInfo	Injuries	Crin
1	1	Robber 1	Armed and masked robber	Previous robbery convictions	1	John Doe	johndoe@example.com	Minor injuries	1
2	2	Unknown	Investigation ongoing	NULL	2	Jane Smith	janesmith@example.com	Deceased	2
3	3	Suspect 1	Shoplifting suspect	Prior shoplifting arrests	3	Alice Johnson	alicejohnson@example.com	None	3

15. Find incidents where the suspect is older than any victim.

```
SELECT c.*
FROM Suspect s JOIN Victim v
ON s.CrimeID = v.CrimeID
JOIN Crime c ON c.CrimeID = s.CrimeID
WHERE s.age > v.age;
```

16. Find suspects involved in multiple incidents:

```
SELECT c.*
FROM Suspect s JOIN Victim v
ON s.CrimeID = v.CrimeID
JOIN Crime c ON c.CrimeID = s.CrimeID
GROUP BY s.SuspectID HAVING COUNT(s.CrimeID) >1;
```

Result Grid | Filter Rows: | Export: | Wrap Cell

CrimeID	IncidentType	IncidentDate	Location	Description	Status

17. List incidents with no suspects involved.

```sql
SELECT * FROM Crime c
LEFT JOIN Suspect s ON c.CrimeID = s.CrimeID
WHERE s.SuspectID = NULL;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

CrimeID	IncidentType	IncidentDate	Location	Description	Status	SuspectID	CrimeID	Name	Description	CriminalHistory

18. List all cases where at least one incident is of type 'Homicide' and all other incidents are of type 'Robbery'.

–To Do —

19. Retrieve a list of all incidents and the associated suspects, showing suspects for each incident, or 'No Suspect' if there are none.

```sql
SELECT c.*, COALESCE(s.Name, 'No Suspect')
AS Suspect_Name FROM Crime c
LEFT JOIN Suspect s ON c.CrimeID = s.CrimeID;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

CrimeID	IncidentType	IncidentDate	Location	Description	Status	Suspect_Name
1	Robbery	2023-09-15	123 Main St, Cityville	Armed robbery at a convenience store	Open	Robber 1
2	Homicide	2023-09-20	456 Elm St, Townsville	Investigation into a murder case	Under Investigation	Unknown
3	Theft	2023-09-10	789 Oak St, Villagetown	Shoplifting incident at a mall	Closed	Suspect 1

20. List all suspects who have been involved in incidents with incident types 'Robbery' or 'Assault'.

```sql
SELECT c.*
FROM Crime c
JOIN Suspect s ON c.CrimeID = s.CrimeID
WHERE c.IncidentType IN ('Robbery', 'Assault');
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

CrimeID	IncidentType	IncidentDate	Location	Description	Status
1	Robbery	2023-09-15	123 Main St, Cityville	Armed robbery at a convenience store	Open