

# Police Stations Database Of Country

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**ABDULLAH**

**833-FOC/BSIT/F22 - A**  
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<b>INTRODUCTION</b>	<b>2</b>
<b>OBJECTIVES</b>	<b>3</b>
<b>SAMPLE QUERIES</b>	<b>4</b>
<b>DATA REQUIREMENTS FOR THE APPLICATION</b>	<b>6</b>
<b>BUSINESS RULES</b>	<b>10</b>
<b>GENERALIZATION\SPECIALIZATION</b>	<b>13</b>
<b>BRIDGE TABLES</b>	<b>14</b>
<b>ER DIAGRAM</b>	<b>15</b>
<b>GENERATING AND POPULATING THE TABLES</b>	<b>19</b>
<b>RELATIONSHIP TABLE</b>	<b>37</b>
<b>QUERY DESIGN</b>	<b>39</b>
<b>MAINMENU FORMS</b>	<b>51</b>
<b>FORMS</b>	<b>56</b>
<b>REPORTS</b>	<b>64</b>
<b>END</b>	

# INTRODUCTION

I would like to express my profound gratitude to my esteemed teacher, Mr. Syed Saqlain, for granting me the golden opportunity to undertake this wonderful project, "The Database of the Police Department." This project has been an enlightening and enriching experience, providing me with invaluable insights and practical skills that will undoubtedly benefit me in my professional life.

Mr. Syed Saqlain's guidance and encouragement have been pivotal in the successful completion of this project. His expertise and unwavering support have not only enhanced my understanding of database management but also instilled in me a deeper appreciation for the meticulous work involved in maintaining and organizing critical data.

Through this project, I have had the opportunity to delve deeply into the intricacies of the police department's database system. I have gained a comprehensive understanding of data structuring, data security, and the importance of accurate and efficient data management in law enforcement. This practical experience has significantly broadened my knowledge base and equipped me with skills that are essential in the realm of information technology. Moreover, this project has exposed me to numerous new concepts and technologies, enriching my academic journey. It has also honed my research abilities, problem-solving skills, and technical acumen. I am truly thankful for the chance to engage in such a meaningful and impactful project.

Once again, I extend my heartfelt thanks to Mr. Syed Saqlain for his invaluable support and mentorship. His dedication to teaching and his commitment to student success have been truly inspiring. I am immensely grateful for the learning opportunities he has provided and for the positive impact he has had on my academic and professional development. Thank you, sir, for everything.

## Objectives

The aim of this project is to streamline and centralize crucial information pertaining to various entities within the law enforcement ecosystem. The database encompasses eight primary entity classes crucial to police operations: Officers, Cops, Criminals, Weapons, Police Stations, Victims, Vehicles, and Prisons. Each entity class is meticulously structured with specific attributes to ensure comprehensive data representation. From Officers' ranks and contact details to Criminals' profiles and associated crimes, every aspect essential to law enforcement activities is captured within this database. Through this initiative, my aims are to provide the police department with a robust tool for efficient data management and informed decision-making, ultimately contributing to the enhancement of public safety and security.

Through this initiative, my aim is to provide the police department with a robust tool for efficient data management and informed decision-making. This database will enhance operational efficiency, enable better resource allocation, and support strategic planning within the department. Ultimately, the project aims to contribute to the enhancement of public safety and security by ensuring that all crucial information is readily accessible and meticulously organized. This centralized database will serve as a foundational tool for the police department, fostering a more proactive and informed approach to law enforcement.

## SAMPLE QUERIES

*Q: Identify a collection of sample queries.*

Here's a collection of sample queries of Police Department Database that is instrumental in shaping the data requirements and refining the database architecture:

1. Retrieve the names, IDs, ranks, and phone numbers of all officers working in a particular department.
2. Retrieve the names, CNICs, ages, and phone numbers of all criminals associated with a particular type of crime.
3. Retrieve the owner's name and other details of a weapon given its license number.
4. Retrieve the names, vehicle numbers, types, and models of all vehicles owned by a particular person.
5. Retrieve the names, CNICs, ages, and phone numbers of all victims living at a particular address.
6. Retrieve the count of staff members working at a particular police station.
7. Retrieve the names, license numbers, owners, and other details of weapons owned by criminals within a specified age range.
8. Retrieve the names, locations, and other details of police stations operating within a particular zone.
9. Retrieve the type and capacity of a prison given its prison number.

10. Retrieve the names, CNICs, job types, and phone numbers of all cops working in a specific department with a particular job type.
11. Identify and define the general attributes common across multiple entity classes to create a higher-level generalized entity.
12. Determine the specific attributes unique to each entity class to maintain detailed and accurate data representation.
13. Evaluate the existing database schema to check for redundancy and dependency issues.
14. If normalization is needed, restructure the database to achieve the appropriate normal forms (1NF, 2NF, 3NF.), ensuring data integrity and optimal performance.
15. Define the relationships between different entity classes, such as one-to-one, one-to-many, and many-to-many relationships.
16. Create bridge tables where necessary to manage many-to-many relationships effectively, ensuring data consistency and ease of access.
15. Implement the normalized schema and relationships in SQL
16. Create the forms for the data.

## DATA REQUIREMENTS FOR THE APPLICATION

*Q: Formulate data requirements for your application.*

I have made an eight entity classes for Police Department Database, each classes have 5 instances with a candidate keys (primary keys and alternate keys) that are fulfilling the data requirements and refining the database architecture:

### Entity Classes

We have eight entity classes:

- |             |                   |
|-------------|-------------------|
| 1. Officers | 5. Police Station |
| 2. Cops     | 6. Victims        |
| 3. Criminal | 7. Vehicles       |
| 4. Weapons  | 8. Prisons        |

## **Attributes:**

Each is having following attributes:

## **Officers Instances**

- |                               |               |                 |
|-------------------------------|---------------|-----------------|
| 1. Name                       | 3. Rank       | 5. Phone number |
| 2. ID number<br>(primary key) | 4. Department |                 |

## **Cops Instances**

- |                          |                                    |
|--------------------------|------------------------------------|
| 1. Name                  | 5. Phone number                    |
| 2. CNIC<br>(primary key) | 6. Police Station ID (Foreign key) |
| 3. Job Type              | 7. Officer ID (Foreign key)        |
| 4. Department            |                                    |

## **Criminals Instances**

- |                          |                 |  |
|--------------------------|-----------------|--|
| 1. Name                  | 4. Age          | 6. Prison Number<br>(Foreign key)        |
| 2. CNIC<br>(primary key) | 5. Phone number | 7. Vehicle Number Plate<br>(Foreign key) |
| 3. Crime                 |                 |  |

## **Weapon Instances**

- |                                 |                             |
|---------------------------------|-----------------------------|
| 1. Name                         | 5. Range                    |
| 2. License number (primary key) | 6. Officer ID (Foreign key) |
| 3. Owner                        | 7. Cop CNIC (Foreign key)   |
| 4. Manufacturer                 |                             |

## **Police Station Instances**

- |                                    |                      |
|------------------------------------|----------------------|
| 1. Police Station ID (primary key) | 4. Number of Prisons |
| 2. Location                        | 5. Zone              |
| 3. Number of Staff                 | 6. Name              |

## **Victims Instances**

- |                       |                 |
|-----------------------|-----------------|
| 1. Name               | 4. Age          |
| 2. CNIC (primary key) | 5. Phone number |
| 3. Address            |                 |

## **Vehicles Instances**

- |  |                             |
|--|-----------------------------|
| 1. Name                                  | 4. Model                    |
| 2. Vehicle Number Plate<br>(primary key) | 5. Owner                    |
| 3. Type                                  | 6. Officer ID (Foreign key) |

## **Prisons Instances**

- |                                |                                    |
|--------------------------------|------------------------------------|
| 1. Number of Occupants         | 5. Capacity                        |
| 2. Location                    | 6. Police Station ID (Foreign key) |
| 3. Prison Number (primary key) |                                    |
| 4. Type                        |                                    |

## BUSINESS RULES

I have made an eight entity classes for Police Department Database, each classes have 5 instances with a candidate keys (primary keys and alternate

An Officer is assigned to only one Police Station.

A Police Station can have multiple Officers.

An Officer can own at least none or maximum many Weapons.

A Weapon can be owned by only one Officer.

A Cop is employed in only one Police Station.

A Police Station can have multiple Cops.

An Officer may instruct one or more Cops

A Cop can be instructed by one Officer.

A Cop can own one or many Weapons.

A Weapon can be owned by only one Cop.

A Cop can look after one or more Prisons.

A Prison can be looked after by one or more Cops.

A Cop can arrest minimum none to maximum many Criminals.

A Criminal can be arrested by one or more Cops.

A Criminal can be confined in only one Prison.

A Prison can occupy minimum none to maximum 5 Criminals.

A Criminal can be arrested in only one Prison.

A Police station can have at least one or many Prisons.

A Prison is located in only one Police Station.

A Vehicle is owned by one Officer.

An Officer may own multiple Vehicles.

A Vehicle can be used to travel by minimum none or maximum many Cops.

A Cop can use minimum none or multiple Vehicles.

A Vehicle may transport minimum none or maximum many Criminals.

A Criminal may be transported by none or one Vehicle.

A Criminal can affect at least one or many Victims.

Each Victim can be affected by one or many Criminals.

A Victim can contact one or many Police Stations.

Many Victims can register Reports in many Police Stations.

Whenever Cop arrest Criminal it will generate Arrest ID.

Whenever a Cop uses a Vehicle it will give us Usage ID.

Whenever Criminal Affects the Victim it will show us the Loss.

Whenever a Victim Registers in a Police Station it will generate the Report.

## GENERALIZATION\SPECIALIZATION

### OFFICER Class:

NAMES OF SUB CLASSES	ATTRIBUTES 1	ATTRIBUTES 2
TRAFFIC OFFICER	<u>Officer ID</u>	Registry Type
UNIFORMED OFFICER	<u>Officer ID</u>	Patrol Area
DETECTIVE OFFICER	<u>Officer ID</u>	Investigation Style

### PRISON Class:

NAMES OF SUB CLASSES	ATTRIBUTES 1	ATTRIBUTES 2	ATTRIBUTES 3	ATTRIBUTES 4
SPECIALIZED PRISON	<u>Prison Number</u>	Type Of Offenders		
MIN SECURITY PRISON	<u>Prison Number</u>	Number of Guards	Surveillance	
MAX SECURITY PRISON	<u>Prison Number</u>	Walls Size	Guard Towers	Surveillance

## Bridge Tables

### COP - VEHICLE (Uses):

PRIMARY KEY (COP)	PRIMARY KEY 2 (VEHICLE)	RESULT
<u>CNIC</u>	<u>Number Plate</u>	Usage Date

### CRIMINAL - VICTIM (Affect):

PRIMARY KEY (CRIMINAL)	PRIMARY KEY 2 (VICTIM)	RESULT
<u>C CNIC</u>	<u>CNIC</u>	Loss Type

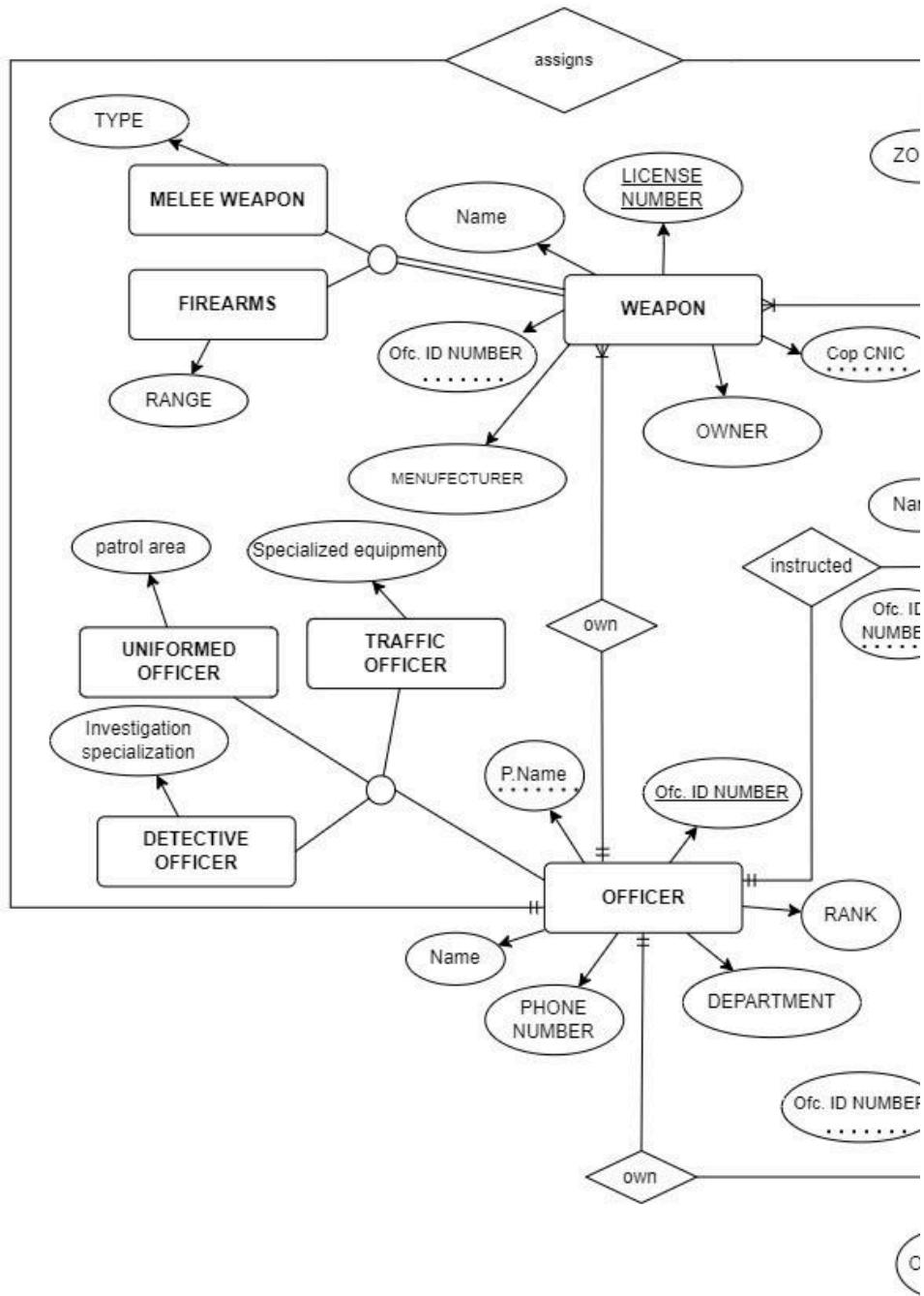
### VICTIM - POLICE STATION (Registers):

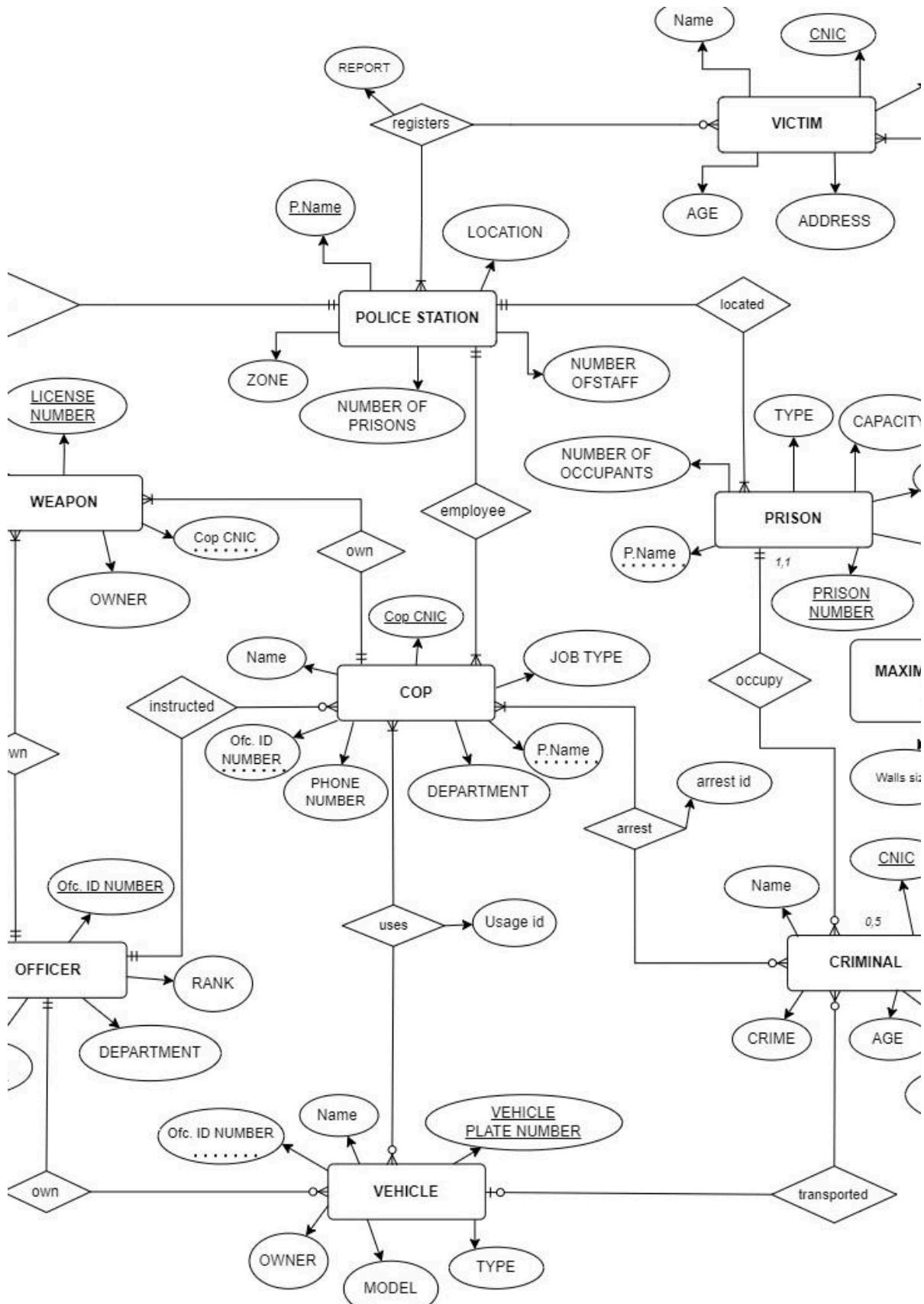
PRIMARY KEY (VICTIM)	PRIMARY KEY 2 (POLICE STATION)	RESULT
<u>CNIC</u>	<u>p ID</u>	Report

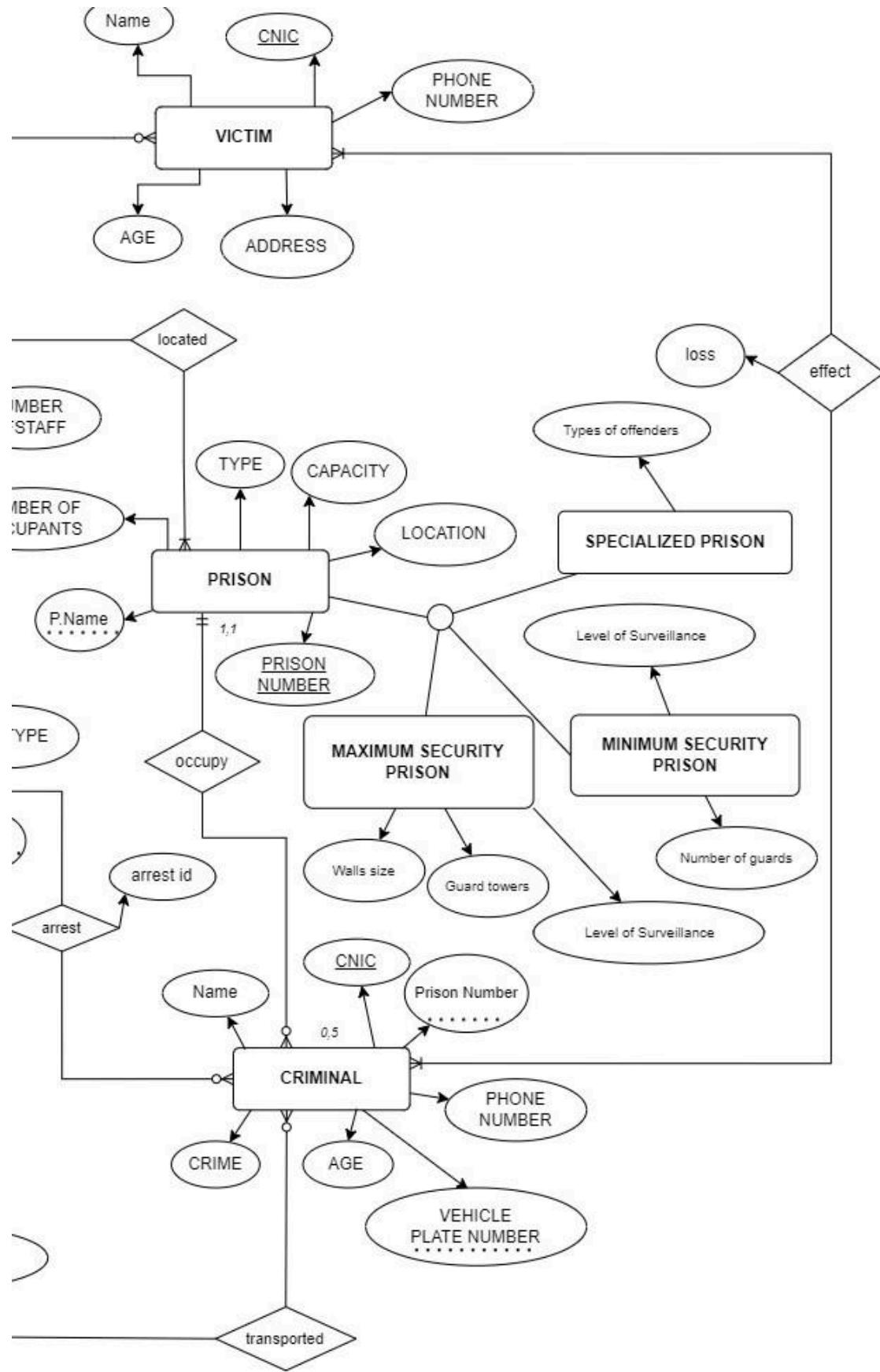
### COP - CRIMINAL (Arrest):

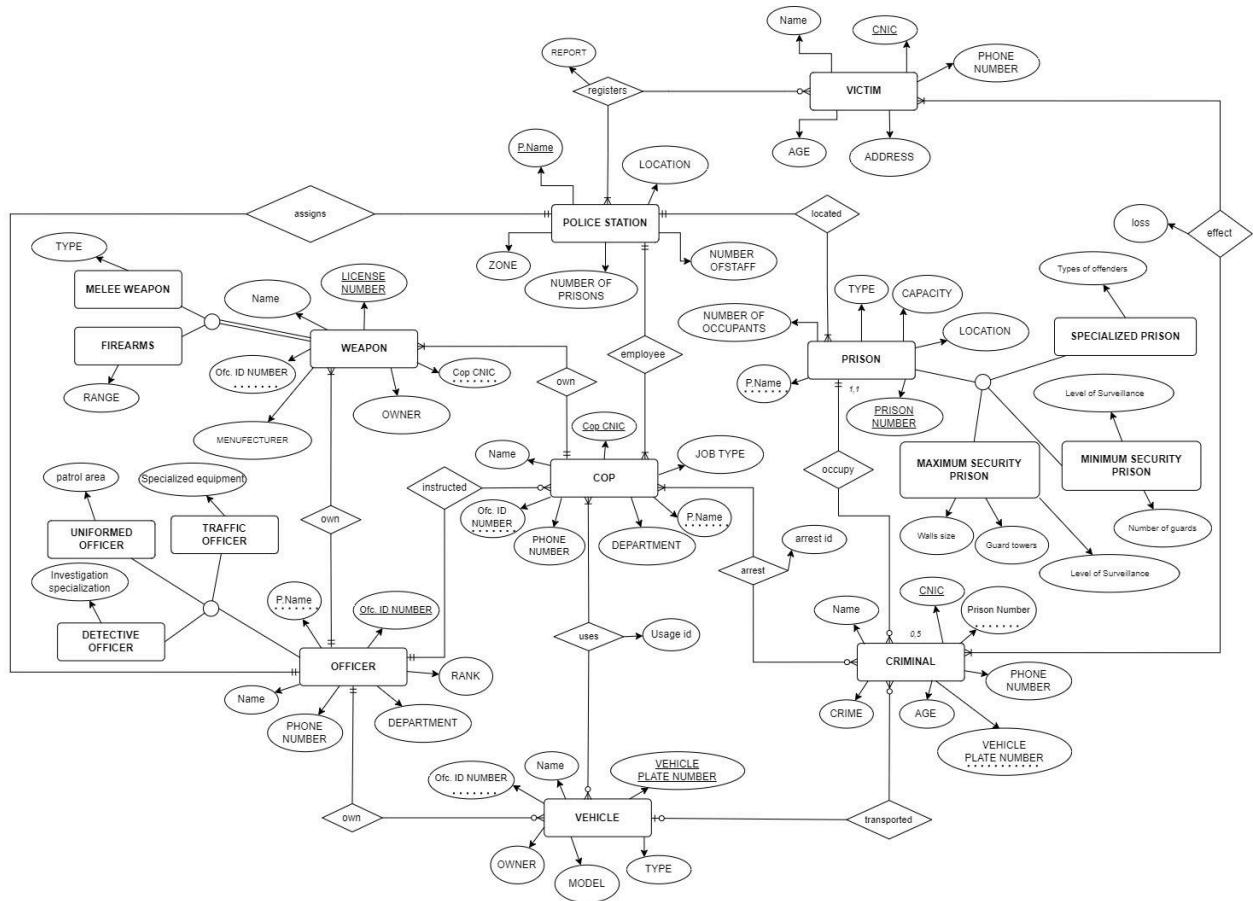
PRIMARY KEY (COP)	PRIMARY KEY 2 (CRIMINAL)	RESULT
<u>CNIC</u>	<u>CNIC</u>	Arrest ID

## ER Diagram









## GENERATING AND POPULATING THE TABLES:

1.

```
CREATE TABLE Police_Stations (
```

```
    Police_Station_ID INT PRIMARY KEY,
```

```
    Location VARCHAR(255),
```

```
    Number_of_Staff INT,
```

```
    Number_of_Prisons INT,
```

```
    Zone VARCHAR(50),
```

```
    Name VARCHAR(255)
```

```
);
```

```
INSERT INTO Police_Stations (Police_Station_ID, Location, Number_of_Staff,  
Number_of_Prisons, Zone, Name)
```

```
VALUES
```

```
(1, 'Abbottabad Cant Police Station', 30, 6, 'Abbottabad Central', 'Abbottabad District  
Central Station'),
```

```
(2, 'Islamabad G-11 Police Station', 50, 10, 'G-11, Islamabad', 'G13 - G11 Station'),
```

```
(3, 'Islamabad F-7 Police Station', 45, 4, 'F-9, Islamabad', 'F9 - F7 Central Station'),
```

```
(4, 'Taxila Cant Police Station', 35, 1, 'Taxila North', 'Taxila Tehsil North Station'),
```

```
(5, 'Rawalpindi Police Station', 60, 15, 'Rawalpindi Central', 'Rawalpindi City Central  
Station');
```

p ID	Name	Location	Number of Staff	Zone	Number of P	Click to Add
1	Abbottabad Cant Police Station	Abbottabad	30	Abbottabad District	6	
2	Islamabad G-11 Police Station	G-11, Islamabad	50	G13 - G10	10	
3	Islamabad F-7 Police Station	F-9, Islamabad	45	F9 - F7	4	
4	Taxila Cant Police Station	Taxila	35	Taxila Tehsil	7	
5	Rawalpindi Police Station	Rawalpindi	60	Rawalpindi City	15	
*	0		0		0	

2.

```
CREATE TABLE Officers (
    ID_Number VARCHAR(13) PRIMARY KEY,
    Name VARCHAR(255),
    Rank VARCHAR(50),
    Department VARCHAR(100),
    Phone_Number VARCHAR(11),
    Police_Station_ID INT,
    FOREIGN KEY (Police_Station_ID) REFERENCES Police_Station(Police_Station_ID)
);

INSERT INTO Officers (ID_Number, Name, Department, Rank, Phone_Number,
Police_Station_ID)

VALUES
('1234567894564', 'Usama', 'Traffic', 16, '03442156489', 1),
('1235467891012', 'Ali', 'Uniformed', 16, '03125488468', 2),
('1305428546488', 'Talha', 'Detective', 15, '03195554982', 3),
('1909065658487', 'Babar', 'Traffic', 18, '03005500065', 4),
('5122345678931', 'Ahmed', 'Uniformed', 17, '03111234567', 5);
```

	p ID	Officer ID	Name	Rank	Department	Phone Numl	Click to Add
*	1	1234567894564	Usama	16	Traffic	03442156489	
*	2	1235467891012	Ali	16	Uniformed	03125488468	
*	3	1305428546488	Talha	15	Detective	03195554982	
*	4	1909065658487	Babar	18	Traffic	03005500065	
*	5	5122345678931	Ahmed	17	Uniformed	03111234567	
*				0			

3.

```
CREATE TABLE Cops (
    CNIC VARCHAR(13) PRIMARY KEY,
    Name VARCHAR(255),
    Job_Type VARCHAR(100),
    Department VARCHAR(100),
    Phone_Number VARCHAR(11),
    Police_Station_ID INT,
    Officer_ID VARCHAR(13),
    FOREIGN KEY (Police_Station_ID) REFERENCES Police_Station(Police_Station_ID),
    FOREIGN KEY (Officer_ID) REFERENCES Officers(ID_Number)
);

INSERT INTO Cops (CNIC, Name, Job_Type, Department, Phone_Number,
Police_Station_ID, Officer_ID)
VALUES
('1223546548884', 'Zubair', 'Uniformed Cop', 'Patrol', '03125553253', 1, '1235467891012'),
('1310102254846', 'Osman', 'Traffic Cop', 'Traffic', '03129865484', 1, '1909065658487'),
('3587695445662', 'Talal', 'Traffic Cop', 'Traffic', '03346221548', 1, '1234567894564'),
('9090876745223', 'Rashid', 'Detective', 'Detectives', '03445353165', 1, '1305428546488'),
('9965481551564', 'Ammar', 'Uniformed Cop', 'Patrol', '03445986648', 1, '5122345678931');
```

tblCop								
	p ID	CNIC	Officer ID	Name	Job Type	Department	Phone Number	Click to Add
+	1	1223546548884	1235467891012	Zubair	Uniformed	Patrol	03125553253	
+	1	1310102254846	1909065658487	Osman	Traffic	Traffic	03129865484	
+	1	3587695445662	1234567894564	Talal	Traffic	Traffic	03346221548	
+	1	9090876745223	1305428546488	Rashid	Detective	Detectives	03445353165	
*	1	9965481551564	5122345678931	Ammar	Uniformed	Patrol	03445986648	
	0							

4.

```
CREATE TABLE Criminals (
    CNIC VARCHAR(13) PRIMARY KEY,
    Name VARCHAR(255),
    Crime VARCHAR(255),
    Age INT,
    Phone_Number VARCHAR(11),
    Prison_Number INT,
    Vehicle_Number_Plate INT,
    FOREIGN KEY (Prison_Number) REFERENCES Prisons(Prison_Number),
    FOREIGN KEY (Vehicle_Number_Plate) REFERENCES Vehicles(Vehicle_Number_Plate)
);
```

```
INSERT INTO Criminals (CNIC, Name, Crime, Age, Phone_Number, Prison_Number,
Vehicle_Number_Plate)
```

```
VALUES
```

```
('1314151444558', 'Abrar', 'drug', 20, '03009785546', 5, 124),
('3525548554512', 'Abbas', 'hacking', 19, '03458884963', 4, 459),
('5546131019123', 'Bashar', 'robbery', 25, '03135549955', 1, 124),
('9685425851563', 'Jahanzaib', 'fight', 32, '03129761141', 3, 459),
('9874564712135', 'Khalil', 'murder', 28, '03338964871', 2, 459);
```

tblCriminal									
c CNIC	NAME	CRIME	AGE	PHONE NUMBER	Prison Number	Number Plate	Click to Add		
1314151444558	Abrar	drug	20	03009785546	5	124			
3525548554512	Abbas	hacking	19	03458884963	4	459			
5546131019123	Bashar	robbery	25	03135549955	1	124			
9685425851563	Jahanzaib	fight	32	03129761141	3	459			
9874564712135	Khalil	murder	28	03338964871	2	459			
*			0			0			

5.

```
CREATE TABLE Victims (
```

```
    CNIC VARCHAR(13) PRIMARY KEY,
```

```
    Name VARCHAR(255),
```

```
    Address VARCHAR(255),
```

```
    Age INT,
```

```
    Phone_Number VARCHAR(11)
```

```
);
```

```
INSERT INTO Victims (CNIC, Name, Address, Age, Phone_Number)
```

```
VALUES
```

```
('1200324854548', 'Rishail', 'Lahore', 25, '03228484757'),
```

```
('1234567885445', 'Zarnosh', 'Islamabad', 35, '03128554754')
```

```
('1640416582352', 'Haris', 'Karachi', 18, '03450854564'),
```

```
('1909807765211', 'Muzamil', 'Abbottabad', 40, '03335252116'),
```

```
('2221115554888', 'Danish', 'Rawalpindi', 20, '03456881258');
```

tblVictim						
	CNIC	Name	Phone Number	Age	Address	Click to Add
	1200324854548	Rishail	03228484757	25	Lahore	
	1234567885445	Zarnosh	03128554754	35	Islamabad	
	1640416582352	Haris	03450854564	18	Karachi	
	1909807765211	Muzamil	03335252116	40	Abbottabad	
*	2221115554888	Danish	03456881258	20	Rawalpindi	
				0		

6.

```
CREATE TABLE Vehicles (
    Name VARCHAR(255),
    Vehicle_Number_Plate INT PRIMARY KEY,
    Type VARCHAR(100),
    Model VARCHAR(100),
    Owner VARCHAR(255),
    Officer_ID VARCHAR(13),
    FOREIGN KEY (Officer_ID) REFERENCES Officers(ID_Number)
);

INSERT INTO Vehicles (Name, Vehicle_Number_Plate, Type, Model, Owner, Officer_ID)
VALUES
('TOYOTA', 124, 'On duty', '2017', 'Usama', '1234567894564'),
('HONDA', 300, 'On duty', '1997', 'Ali', '1235467891012'),
('HONDA', 495, 'Prison Van', '1989', 'Talha', '1305428546488'),
('TOYOTA', 639, 'Protocol', '2012', 'Ahmed', '5122345678931'),
('SUZUKI', 704, 'On duty', '2005', 'Talha', '1305428546488');
```

tblVehicle						
	Number Plate	Name	Owner	Model	Type	Officer ID
+	124	TOYOTA	Usama	2017	On duty	1234567894564
+	300	HONDA	Ali	1997	On duty	1235467891012
+	459	HONDA	Talha	1989	Prison Van	1305428546488
+	639	TOYOTA	Ahmed	2012	Protocol	5122345678931
+	704	SUZUKI	Talha	2005	On duty	1305428546488
*	0					

7.

```
CREATE TABLE Weapons (
    License_Number VARCHAR(20) PRIMARY KEY,
    Name VARCHAR(255),
    Owner VARCHAR(255),
    Manufacturer VARCHAR(100),
    Type VARCHAR(50),
    Officer_ID VARCHAR(13),
    Cop_CNIC VARCHAR(13),
    FOREIGN KEY (Officer_ID) REFERENCES Officers(ID_Number)
);

INSERT INTO Weapons (License_Number, Name, Owner, Type, Manufacturer, Officer_ID)
VALUES
('1234567', 'Handgun', 'Usama', 'Glock', 'Pakistan', '1234567894564'),
('3221576', 'Shotgun', 'Ali', 'Remington', 'America', '1235467891012'),
('2154568', 'Handclifs', 'Talal', 'Glock', 'India', '1305428546488'),
('9887963', 'AK47', 'Usama', 'Remington', 'Russia', '1909065658487'),
('8712983', 'Pistol', 'Rashid', 'Glock', 'America', '5122345678931');
```

Sort & Filter								
Records		Find		Text Formatting				
License_Nur	Name	Owner	Type	Manufacture	ID_Number	Cop_CNIC	Click to Add	
1234567	Handgun	Usama	Glock	Pakistan	1234567894564	1223546548884		
2154568	Handclifs	Talal	Glock	India	1305428546488	9090876745223		
3221576	Shotgun	Ali	Remington	America	1235467891012	3587695445662		
8712983	Pistol	Rashid	Glock	America	5122345678931	1310102254846		
9887963	AK47	Usama	Remington	Russia	1909065658487	9965481551564		
*								

8.

```
CREATE TABLE Prisons (
    Number_of_Occupants INT,
    Location VARCHAR(255),
    Prison_Number INT PRIMARY KEY,
    Type VARCHAR(100),
    Capacity INT,
    Police_Station_ID INT,
    FOREIGN KEY (Police_Station_ID) REFERENCES Police_Stations(Police_Station_ID)
);

INSERT INTO Prisons (Number_of_Occupants, Location, Prison_Number, Type, Capacity,
Police_Station_ID)

VALUES
(4, 'Corner Block', 1, 'Minimum Security', 14, 1),
(1, 'Special Block', 2, 'Specialized', 2, 1),
(4, 'Cant Block', 3, 'Maximum Security', 6, 1),
(10, 'Corner Block', 4, 'Specialized', 10, 1),
(1, 'Special Block', 5, 'Minimum Security', 1, 1);
```

	Prison_Number	Type	Capacity	Location	Number of Occupen	p ID	Click to Add
1	1	Min Security	14	Corner Block	4	1	
2	2	Specialized	2	Special Block	1	1	
3	3	Max Security	6	Cant Block	4	1	
4	4	Min Security	10	Corner Block	10	1	
5	5	Specialized	1	Special Block	1	1	
*	(New)		0		0	0	

## Specialization

### *Officer Class Specializations*

i.

```
CREATE TABLE Traffic_Officer (
    Officer_ID VARCHAR(13) PRIMARY KEY,
    Registry_Type VARCHAR(100),
    FOREIGN KEY (Officer_ID) REFERENCES Officers(ID_Number)
);

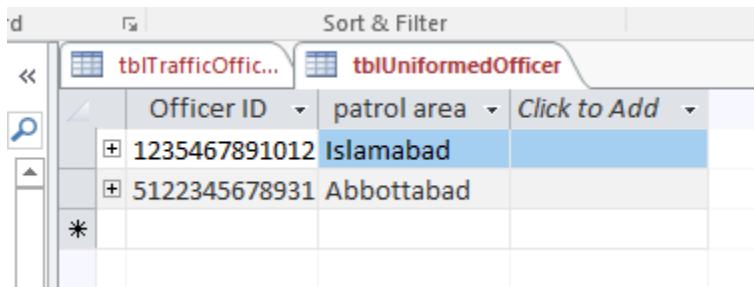
INSERT INTO Traffic_Officer (Officer_ID, Registry_Type)
VALUES
    ('1234567894564','Challan Authority'),
    ('1909065658487','Licence Data');
```

tblTrafficOfficer		
	Officer ID	Registry Type
	1234567894564	Challan Authority
*	1909065658487	Licence Data
		Click to Add

ii.

```
CREATE TABLE Uniformed_Officer (
    Officer_ID VARCHAR(13) PRIMARY KEY,
    Patrol_Area VARCHAR(100),
    FOREIGN KEY (Officer_ID) REFERENCES Officers(ID_Number)
);

INSERT INTO Uniformed_Officer (Officer_ID, Patrol_Area)
VALUES
('1235467891012','Islamabad'),
('15122345678931','Abbottabad');
```



A screenshot of the Microsoft Access database interface. The window title is "tblUniformedOfficer". The table has three columns: "Officer ID", "patrol area", and "Click to Add". There are two data rows:

Officer ID	patrol area	Click to Add
1235467891012	Islamabad	
5122345678931	Abbottabad	

iii.

```
CREATE TABLE Detective_Officer (
    Officer_ID VARCHAR(13) PRIMARY KEY,
    Investigation_Style VARCHAR(100),
    FOREIGN KEY (Officer_ID) REFERENCES Officers(ID_Number)
);

INSERT INTO Detective_Officer (Officer_ID, Investigation_Style)
VALUES
('1305428546488','Underground');
```

The screenshot shows a Microsoft Access database window with three tables listed in the navigation bar: 'tblTrafficOffic...', 'tblUniformedOfficer', and 'tblDetectiveOfficer'. The 'tblDetectiveOfficer' table is selected and displayed in the main grid. The grid has columns for 'Officer ID' and 'Investigation Style'. A single record is present: 'Officer ID' is '1305428546488' and 'Investigation Style' is 'Underground'. There is a yellow button labeled 'Click to Add' at the bottom right of the grid. The status bar at the bottom shows '1 Record'.

Officer ID	Investigation Style	Click to Add
1305428546488	Underground	
*		

## *Prison Class Specializations*

i.

```
CREATE TABLE Specialized_Prison (
    Prison_Number INT PRIMARY KEY,
    Type_of_Offenders VARCHAR(100),
    FOREIGN KEY (Prison_Number) REFERENCES Prisons(Prison_Number)
);

INSERT INTO Specialized_Prison (Prison_Number, Type_of_Offenders)
VALUES
    (2, 'Drug Addicts'),
    (5, 'Mental');
```

The screenshot shows the Microsoft Access Database window with the 'tblSpecializedPrison' table selected. The table has two columns: 'Prison Number' and 'Types of Offenders'. There are two rows of data: one for 'Drug Addicts' and one for 'Mental'. A third row is partially visible at the bottom. The 'tblPrison' tab is also visible in the ribbon.

Prison Number	Types of Offenders	Click to Add
2	Drug Addicts	
5	Mental	
*		

ii.

```
CREATE TABLE Min_Security_Prison (
    Prison_Number INT PRIMARY KEY,
    Number_of_Guards INT,
    Surveillance VARCHAR(100),
    FOREIGN KEY (Prison_Number) REFERENCES Prisons(Prison_Number)
);

INSERT INTO Min_Security_Prison (Prison_Number, Number_of_Guards, Surveillance)
VALUES
(1, 2, '60%'),
(4, 5, '70%');
```

	Prison Number	Number of Guards	Surveillance	Click to Add
	1		2 60%	
*	4	5	70%	
			0	

iii.

```
CREATE TABLE Max_Security_Prison (
    Prison_Number INT PRIMARY KEY,
    Walls_Size VARCHAR(100),
    Guard_Towers VARCHAR(100),
    Surveillance VARCHAR(100),
    FOREIGN KEY (Prison_Number) REFERENCES Prisons(Prison_Number)
);
```

```
INSERT INTO Max_Security_Prison (Prison_Number, Walls_Size, Guard_Towers,
Surveillance)
```

```
VALUES
```

```
(3, '30 feet', '05', 'Advanced Surveillance System');
```

Prison Number	Walls size	Guard towers	Surveillance	Click to Add
3	30ft		05 Advanced Surveillance System	
*	00ft		00 level	

## Bridge Table

a.

```
CREATE TABLE Cop_Vehicle (
    Cop_CNIC VARCHAR(13),
    Vehicle_Number_Plate VARCHAR(20),
    Usage_Date DATE,
    PRIMARY KEY (Cop_CNIC, Vehicle_Number_Plate),
    FOREIGN KEY (Cop_CNIC) REFERENCES Cops(CNIC),
    FOREIGN KEY (Vehicle_Number_Plate) REFERENCES Vehicles(Vehicle_Number_Plate)
);

INSERT INTO Cop_Vehicle (Cop_CNIC, Vehicle_Number_Plate, Usage_Date)
VALUES
    ('1223546548884', '124', '2/11/2001'),
    ('1310102254846', '459', '2/1/2024'),
    ('3587695445662', '704', '1/2/2024'),
    ('9090876745223', '639', '5/3/2023'),
    ('9965481551564', '300', '5/4/2024');
```

	CNIC	Number Plat	Usage Date	Click to Add
[+]	1223546548884	124	2/11/2001	
[+]	1310102254846	459	2/1/2024	
[+]	3587695445662	704	1/2/2024	
[+]	9090876745223	639	5/3/2023	
[+]	9965481551564	300	5/4/2024	
*		0		

b.

```
CREATE TABLE Criminal_Victim (
    Criminal_CNIC VARCHAR(13),
    Victim_CNIC VARCHAR(13),
    Loss_Type VARCHAR(100),
    PRIMARY KEY (Criminal_CNIC, Victim_CNIC),
    FOREIGN KEY (Criminal_CNIC) REFERENCES Criminals(CNIC),
    FOREIGN KEY (Victim_CNIC) REFERENCES Victims(CNIC)
);
```

```
INSERT INTO Criminal_Victim (Criminal_CNIC, Victim_CNIC, Loss_Type)
```

```
VALUES
```

```
('1314151444558', '1909807765211', 'Drug'),
('3525548554512', '1640416582352', 'Data Loss'),
('5546131019123', '1200324854548', 'Money'),
('9685425851563', '1234567885445', 'Murder'),
('9874564712135', '2221115554888', 'Injured');
```

Card	Sort & Filter	Records	
tblEffect			
#	C CNIC	CNIC	Loss Type
	1314151444558	1909807765211	Drug
	3525548554512	1640416582352	Data Loss
	5546131019123	1200324854548	Money
	9685425851563	1234567885445	Murder
	9874564712135	2221115554888	Injured
*			

c.

```
CREATE TABLE Victim_PoliceStation (
    Victim_CNIC VARCHAR(13),
    Police_Station_ID INT,
    Report_Type VARCHAR(100),
    PRIMARY KEY (Victim_CNIC, Police_Station_ID),
    FOREIGN KEY (Victim_CNIC) REFERENCES Victims(CNIC),
    FOREIGN KEY (Police_Station_ID) REFERENCES Police_Stations(Police_Station_ID)
);
```

```
INSERT INTO Victim_PoliceStation (Victim_CNIC, Police_Station_ID, Report_Type)
```

```
VALUES
```

```
('1200324854548', 1, 'Robbery'),
('1234567885445', 1, 'Murder'),
('1640416582352', 1, 'Hacking'),
('1909807765211', 1, 'Drug'),
('2221115554888', 1, 'Fight');
```

tblRegisters			
CNIC	p ID	Report	Click to Add
1200324854548	1	Robbery	
1234567885445	1	Murder	
1640416582352	1	Hacking	
1909807765211	1	Drug	
2221115554888	1	Fight	
*	0		

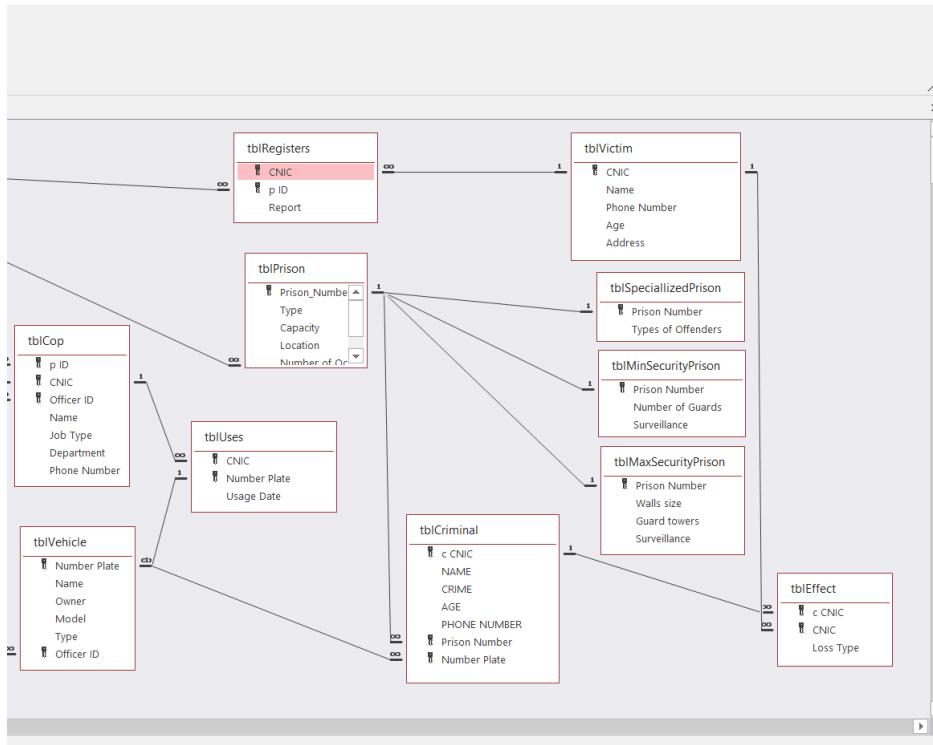
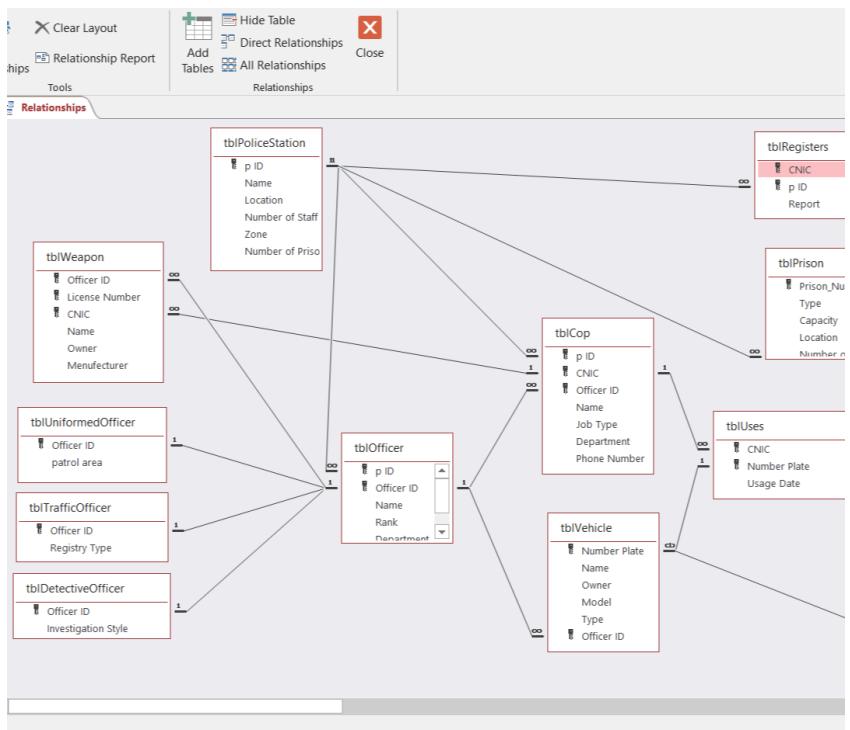
c.

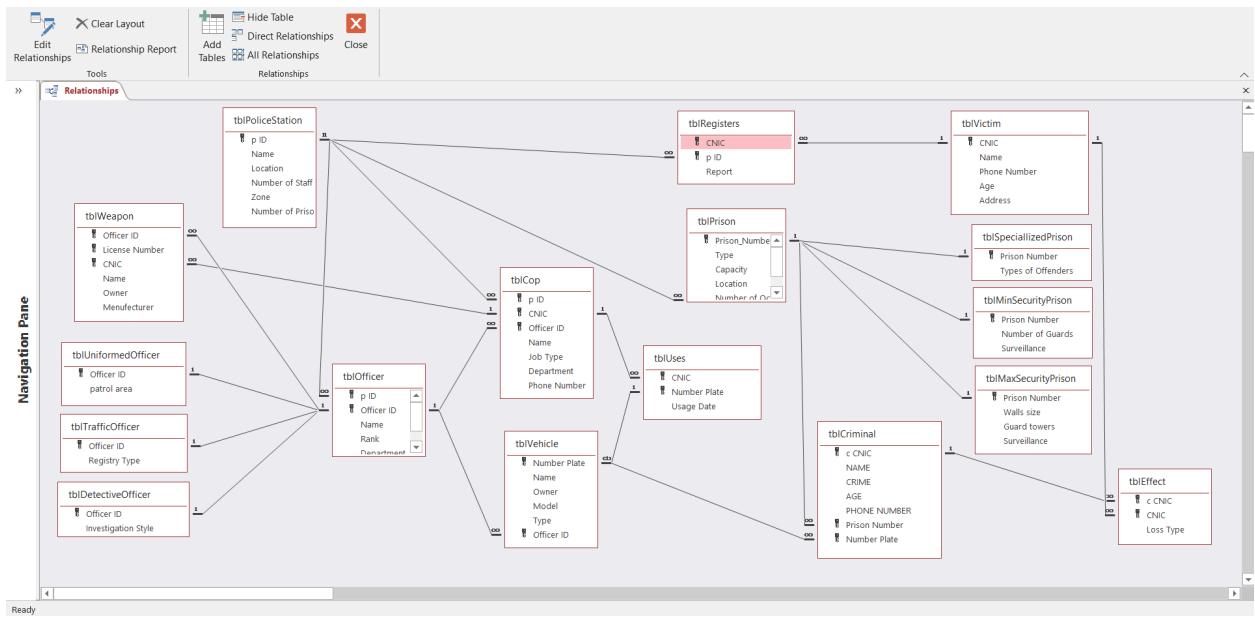
```
CREATE TABLE Cops_Criminal (
    Cop_CNIC VARCHAR(13),
    Criminal_CNIC VARCHAR(13),
    Arrest_ID INT,
    PRIMARY KEY (Cop_CNIC, Criminal_CNIC),
    FOREIGN KEY (Cop_CNIC) REFERENCES Cops(CNIC),
    FOREIGN KEY (Criminal_CNIC) REFERENCES Criminals(CNIC)
);

INSERT INTO Cops_Criminal ( Cop_CNIC, Criminal_CNIC, Arrest_ID )
VALUES ('1223546548884', '1314151444558', 242),
('1310102254846', '3525548554512', 82),
('3587695445662', '5546131019123', 290),
('9090876745223', '9685425851563', 455),
('9965481551564', '9874564712135', '891');
```

Sort & Filter				Records
Main Form	Queries	Cops_Criminal		
Cop_CNIC	Criminal_CNIC	Arrest_ID	Click to Add	
1223546548884	1314151444558	242		
1310102254846	3525548554512	82		
3587695445662	5546131019123	290		
9090876745223	9685425851563	455		
9965481551564	9874564712135	891		
*				

## RELATIONSHIP TABLE





1. Police Station - Cop (1 to Many)
2. Police Station - Officer (1 to Many)
3. Officer - Uniformed Officer (1 to 1)
4. Officer - Traffic Officer (1 to 1)
5. Officer - Detective Officer (1 to 1)
6. Officer - Cop (1 to Many)
7. Officer - Weapon (1 to Many)
8. Officer - Vehicle (1 to Many)
9. Cop - Weapon (1 to Many)
10. Cop - Uses (1 to Many)
11. Uses - Vehicle (1 to Many)
12. Police Station - Prison (1 to Many)
13. Prison - Min Security Prison (1 to 1)
14. Prison - Max Security Prison (1 to 1)
15. Prison - Specialized Security Prison (1 to 1)
16. Prison - Criminal (1 to Many)
17. Criminal - Vehicle (1 to Many)
18. Criminal - Effects (1 to Many)
19. Victim - Effects (1 to Many)
20. Effects - Police Station (1 to Many)
21. Cop - Arrest (1 to Many)
22. Arrest - Criminal (1 to Many)

## QUERY DESIGN

### *Police Station*

```
SELECT tblPoliceStation.[p ID], tblPoliceStation.Name, tblPoliceStation.Location,  
tblPoliceStation.[Number of Staff], tblPoliceStation.Zone, tblPoliceStation.[Number of  
Prison]
```

```
FROM tblPoliceStation
```

```
WHERE ((([please enter Police Station ID]) Is Null) OR (((tblPoliceStation.[p ID])=[please  
enter Police Station ID]));
```

The screenshot shows the Microsoft Access Query Design View. At the top, there are two tabs: 'tblPoliceStation' and 'tblPoliceStation Query'. The 'tblPoliceStation Query' tab is active.

**Query Designer:**

- Table:** tblPoliceStation
- Fields:** p ID, Name, Location, Number of Staff, Zone, Number of Prison
- Criteria:** [please enter Police St] (with a checked 'Is Null' checkbox)

A modal dialog box titled 'Enter Parameter Value' is displayed, asking for the value of 'please enter Police Station ID'. The input field contains '1'.

**Query Grid:**

Field:	p ID	Name	Location	Number of Staff	Zone	Number of Prison	[please enter Police St]
Table:	tblPoliceStation	tblPoliceStation	tblPoliceStation	tblPoliceStation	tblPoliceStation	tblPoliceStation	Is Null
Show:	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Criteria:	[please enter Police St]						

**Result View:**

p ID	Name	Location	Number of Staff	Zone	Number of F
1	Abbottabad Cant Police Station	Abbottabad	30	Abbottabad District	6
0			0		b

## Officers

```
SELECT tblOfficer.[p ID], tblOfficer.[Officer ID], tblOfficer.Name, tblOfficer.Rank,  
tblOfficer.Department, tblOfficer.[Phone Number]
```

```
FROM tblOfficer
```

```
WHERE ((([Please enter the Officer ID]) Is Null) OR (((tblOfficer.[Officer ID])=[Please  
enter the Officer ID]));
```

The screenshot shows the Microsoft Access interface. On the left, the 'tblOfficer Query' query builder is open, displaying fields from the 'tblOfficer' table: p ID, Officer ID, Name, Rank, Department, and Phone Number. A parameter dialog box is overlaid, asking 'Please enter the Officer ID' with the value '1305428546488' entered. Below the builder, the query grid shows the results for the specified officer ID.

Field:	p ID	Officer ID	Name	Rank	Department	Phone Number	[Please enter the Offi]
Table:	tblOfficer	tblOfficer	tblOfficer	tblOfficer	tblOfficer	tblOfficer	Is Null
Show:	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
Criteria:	or:	[Please enter the Offi]					

Sort & Filter							Records		Find	
d	«	tblOfficer Query	tblOffic...							
		p ID	Officer ID	Name	Rank	Department	Phone Numl			
*		3	1305428546488	Talha	15	Detective	03195554982			

## Cop

```
SELECT tblCop.CNIC, tblCop.Name, tblCop.[Job Type], tblCop.Department, tblCop.[Phone Number], tblCop.[Officer ID], tblCop.[p ID]
```

```
FROM tblCop
```

```
WHERE ((([Please enter the CNIC of Cop]) Is Null) OR (((tblCop.CNIC)=([Please enter the CNIC of Cop])));
```

The screenshot shows the Microsoft Access Query Builder interface. At the top, the 'Query Type' dropdown is set to 'Cops Query'. The 'Cops' table is selected in the 'Tables' pane. A parameter dialog box titled 'Enter Parameter Value' is open, prompting for the CNIC of the cop. The value '9090876745223' has been entered. Below the table, the query definition is shown:

Field:	CNIC	Table:	Cops	Name:	Cops	Job_Type:	Cops	Department:	Cops	Phone_Number:	Cops	Police_Station_ID:	Cops	ID_Number:	Cops
Show:	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>											
Criteria:	or:	([Please enter the CNI])													

At the bottom, the results grid displays one record:

*	CNIC	Name	Job_Type	Department	Phone_Number	Police_Station_ID	ID_Number
*	9090876745223	Rashid	Detective	Detectives	03445353165	1	1305428546488

## Weapon

```
SELECT tblWeapon.[License Number], tblWeapon.Name, tblWeapon.Owner,  
tblWeapon.Manufacturer, tblWeapon.[Officer ID], tblWeapon.CNIC
```

```
FROM tblWeapon
```

```
WHERE ((([Please enter the Licence Number of Weapon]) Is Null)) OR  
(((tblWeapon.[License Number])="Please enter the Licence Number of Weapon"));
```

The screenshot shows the Microsoft Access Query Designer interface. The top navigation bar includes 'Query Type', 'Name', 'Query Setup', and 'Show/Hide'. The main area displays a 'Weapon query' with a 'Weapons' table selected. A red box highlights the 'License\_Number' field. A modal dialog titled 'Enter Parameter Value' prompts for the license number, with '2154568' entered in the text box. Below the table, a grid shows the query's structure with columns: Field, Table, Sort, Show, and Criteria. The Criteria row contains 'License\_Number' with the value '2154568'. The bottom part of the screen shows the results grid with one record: License\_Number 2154568, Name Handclips, Owner Talal, Manufacturer Glock, Range India, ID\_Number 1305428546488, and Cop\_CNIC 9090876745223.

Field:	Table:	Sort:	Show:	Criteria:
License_Number	Weapons			2154568

License_Number	Name	Owner	Manufacturer	Range	ID_Number	Cop_CNIC
2154568	Handclips	Talal	Glock	India	1305428546488	9090876745223

## Vehicle

```
SELECT tblVehicle.[Number Plate], tblVehicle.Name, tblVehicle.Owner, tblVehicle.Model,  
tblVehicle.Type, tblVehicle.[Officer ID], ([please enter Number of Plate]) AS Expr1  
  
FROM tblVehicle  
  
WHERE ((([please enter Number of Plate])) Is Null Or (([please enter Number of  
Plate]))=",")) OR (((tblVehicle.[Number Plate])=[please enter Number of Plate]));
```

The screenshot shows the Microsoft Access interface with a query setup window and a results grid.

**Query Type:** Vehicles Query

**Fields:**

Name	Type	Model	Owner	ID_Number
HONDA	459	Prison Van	1989	Talha

**Enter Parameter Value:**

Please enter the Vehicle Number Plate  
459

**Criteria:**

Field:	Table:	Sort:	Show:	Criteria:
Name	Vehicles			[Please enter the Vehi

**Results Grid:**

Name	Vehicle_Numb	Type	Model	Owner	ID_Number
HONDA	459	Prison Van	1989	Talha	1305428546488

## Prison

```
SELECT tblPrison.Prison_Number, tblPrison.Type, tblPrison.Capacity, tblPrison.Location,  
tblPrison.[Number of Occupants], tblPrison.[p ID], [please enter Prison Number] AS  
Expr1  
  
FROM tblPrison  
  
WHERE ((([please enter Prison Number]) Is Null)) OR  
(((tblPrison.Prison_Number)=[please enter Prison Number]));
```

The screenshot shows the Microsoft Access query builder interface. At the top, there are tabs for 'Cops', 'Prisons', 'Criminals', 'Cops\_Criminal', and 'Prisons Query'. The 'Prisons Query' tab is selected. In the center, there's a 'Query Type' section with a dropdown menu. Below it is a list of fields from the 'Prisons' table: \* (all), Number\_of\_Occupants, Location, Prison\_Number, Type, Capacity, and Police\_Station\_ID. To the right of this list is a modal dialog titled 'Enter Parameter Value' with the instruction 'Please enter the Prison Number' and a text input field containing '3'. Below the list of fields is a query grid with columns for Field, Table, Sort, Show, Criteria, and Or. The 'Criteria' column contains '[Please enter the Pris'. At the bottom, there's a toolbar with buttons for Remove Sort, Toggle Filter, Select, and Find, along with a records navigation bar.

Field:	Table:	Sort:	Show:	Criteria:	Or:
Number_of_Occup	Prisons			Prisons	[Please enter the Pris
Location	Prisons			Prisons	
Prison_Number	Prisons			Prisons	
Type	Prisons			Prisons	
Capacity	Prisons			Prisons	
Police_Station_ID	Prisons			Prisons	

Number_of_Occup	Location	Prison_Number	Type	Capacity	Police_Station_ID
4	Cant Block	3	Minimum Secu	6	1
*					

## Victim

```
SELECT tblVictim.CNIC, tblVictim.Name, tblVictim.[Phone Number], tblVictim.Age,  
tblVictim.Address  
  
FROM tblVictim  
  
WHERE ((([please enter Victim CNIC]) Is Null) OR (((tblVictim.CNIC)=[please enter Victim  
CNIC]));
```

The screenshot shows the Microsoft Access interface with two main windows.

**Query Setup Window:**

- Query type:** tblVictim Query
- Table:** tblVictim
- Fields:** \* (CNIC, Name, Phone Number, Age, Address)
- Criteria:** [please enter Victim C] (with an Is Null checkbox checked)

A parameter dialog box is displayed, titled "Enter Parameter Value". It contains the placeholder "please enter Victim CNIC" and the value "1200324854548". Buttons for "OK" and "Cancel" are present.

**Results Grid:**

CNIC	Name	Phone Number	Age	Address	[please enter Victim C]
1200324854548	Rishail	03228484757	25	Lahore	<input checked="" type="checkbox"/>
*			0		

## Criminal

```
SELECT Criminals.CNIC, Criminals.Name, Criminals.Crime, Criminals.Age,  
Criminal.CNIC, Criminals.Phone_Number, Criminals.Prison_Number, Criminals.Vehicle_Number_Plate,  
([Please enter the CNIC of Criminal]) AS Expr1  
  
FROM Criminals
```

```
WHERE ((([Please enter the CNIC of Criminal]) Is Null) OR (((Criminal.CNIC)=([Please  
enter the CNIC of Criminal])));
```

The screenshot shows the Microsoft Access query builder interface. At the top, there's a toolbar with various icons and tabs like 'Cops', 'Prisons', 'Criminals', etc. A 'Query Type' dropdown is set to 'Criminals'. Below it, a 'Query Setup' section shows the current query name as 'Criminals Query'. A 'Show/Hide' section has several buttons.

In the center, there's a 'Criminals' table with fields: CNIC, Name, Crime, Age, Phone\_Number, Prison\_Number, and Vehicle\_Number\_Plate. To the right of the table, a 'Enter Parameter Value' dialog box is open, asking for 'Please enter the CNIC of Criminal'. The input field contains '9685425851563'.

The main query grid below the table has the following structure:

Field:	CNIC	Name	Crime	Age	Phone_Number	Prison_Number	Vehicle_Number_Plate	Expr1: ([Please enter the CNIC of Criminal])
Table:	Criminals	Is Null						
Sort:								
Show:	<input checked="" type="checkbox"/>							
Criteria:	or:	[Please enter the CNIC]						

At the bottom, there are 'Filter', 'Sort & Filter', and 'Records' toolbars. The 'Records' toolbar includes buttons for 'New', 'Save', 'Totals', 'Spelling', 'Find', 'Replace', 'Go To', 'Select', and 'Text Formatting'. The 'Text Formatting' toolbar allows changing font, size, and style. Below these toolbars, a preview grid shows one record:

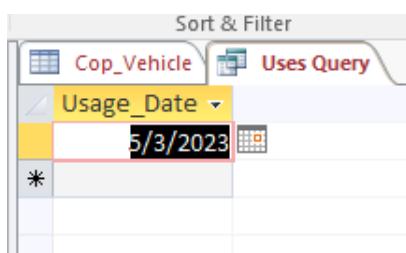
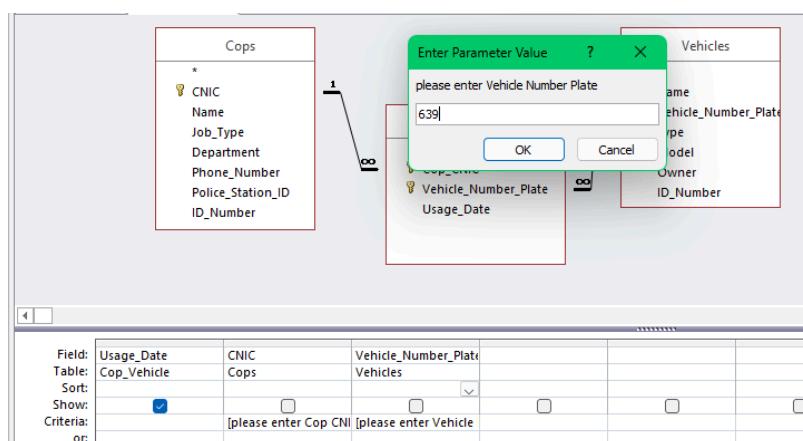
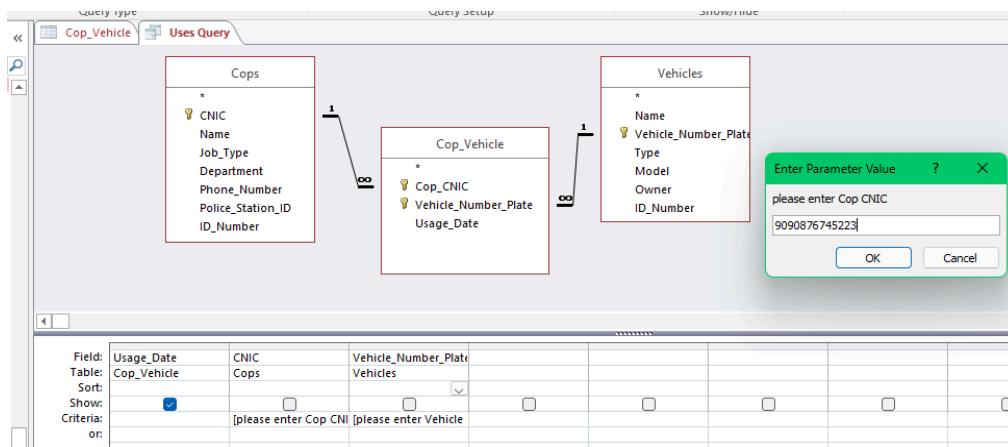
CNIC	Name	Crime	Age	Phone_Number	Prison_Number	Vehicle_Number_Plate	Expr1
9685425851563	Jahanzaib	fight	32	03129761141	3	459	9685425851563

## Uses Bridge Table (Cop - Vehicle)

SELECT tblUses.[Usage Date]

FROM tblCop INNER JOIN (tblUses INNER JOIN tblVehicle ON tblUses.[Number Plate] =  
tblVehicle.[Number Plate]) ON tblCop.CNIC = tblUses.CNIC

WHERE (((tblCop.CNIC)=[please enter Cop CNIC]) AND ((tblVehicle.[Number  
Plate])=[please enter Number of Plate]));

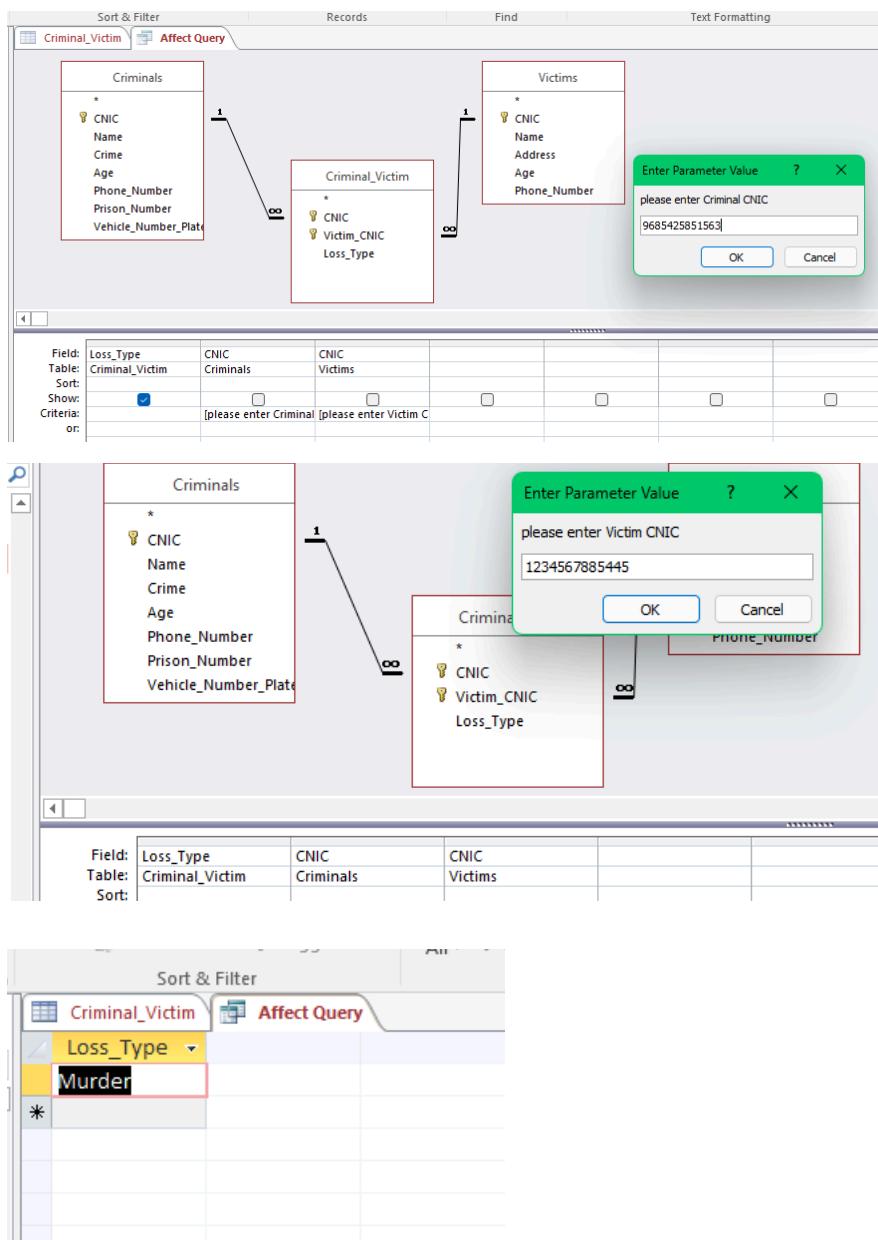


## *Effect Bridge Table (Criminal - Victim)*

SELECT tblEffect.[Loss Type]

FROM tblVictim INNER JOIN (tblCriminal INNER JOIN tblEffect ON tblCriminal.[c CNIC] =  
tblEffect.[c CNIC]) ON tblVictim.CNIC = tblEffect.CNIC

WHERE (((tblCriminal.[c CNIC])=[please enter Criminal CNIC]) AND  
((tblVictim.CNIC)=[please enter Victim CNIC]));

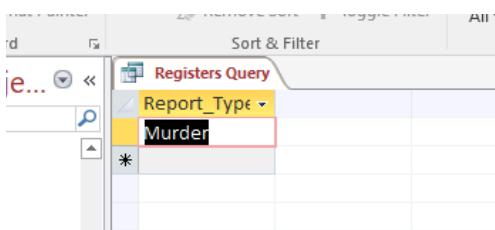
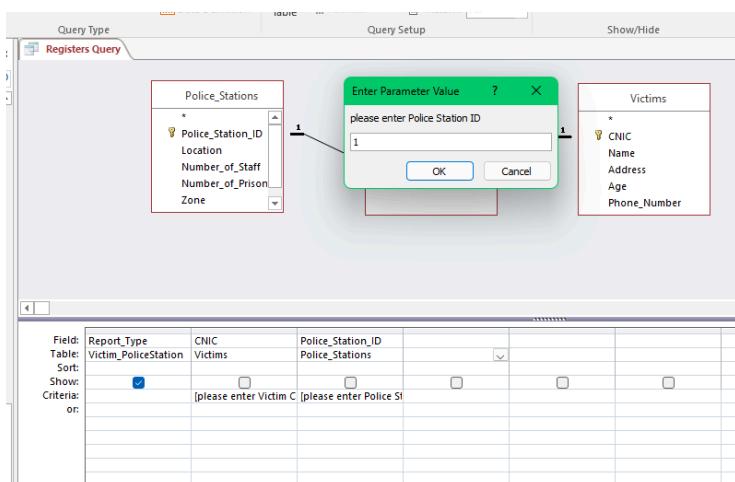
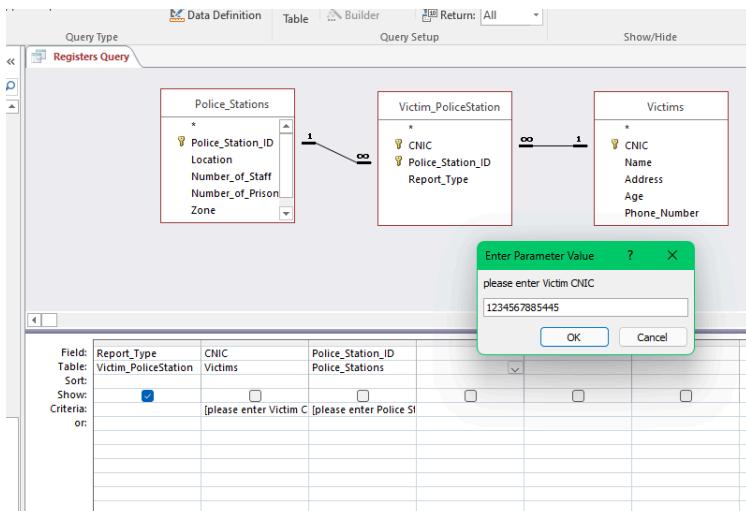


## Registers Bridge Table (Police Station- Victim)

SELECT tblRegisters.Report

FROM tblVictim INNER JOIN (tblPoliceStation INNER JOIN tblRegisters ON  
tblPoliceStation.[p ID] = tblRegisters.[p ID]) ON tblVictim.CNIC = tblRegisters.CNIC

WHERE (((tblVictim.CNIC)=[please enter Victim CNIC]) AND ((tblPoliceStation.[p  
ID])=[please enter Police Station ID]));

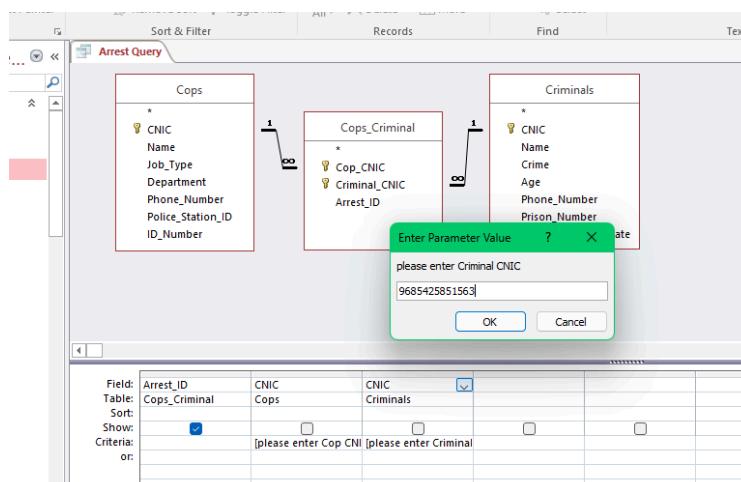
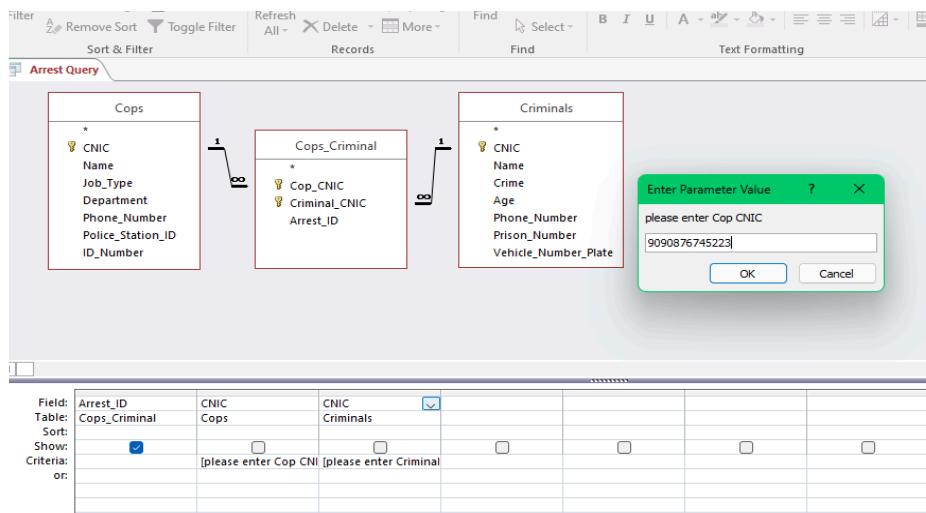


## Arrest Bridge Table (Police Station- Victim)

SELECT Cops\_Criminal.Arrest\_ID

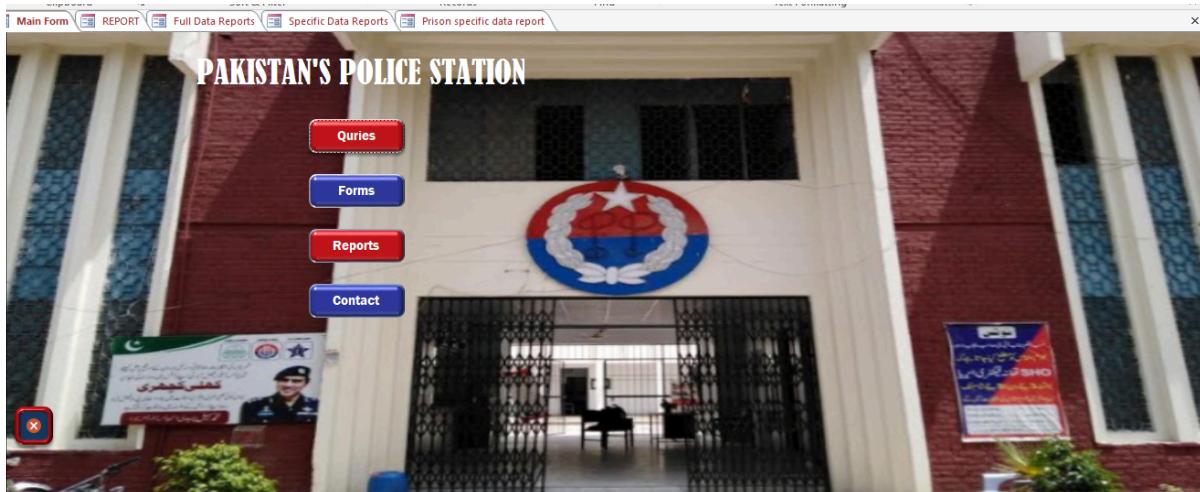
FROM Criminals INNER JOIN (Cops INNER JOIN Cops\_Criminal ON Cops.CNIC = Cops\_Criminal.Cop\_CNIC) ON Criminals.CNIC = Cops\_Criminal.Criminal\_CNIC

WHERE (((Cops.CNIC)=[please enter Cop CNIC]) AND ((Criminal.CNIC)=[please enter Criminal CNIC]));

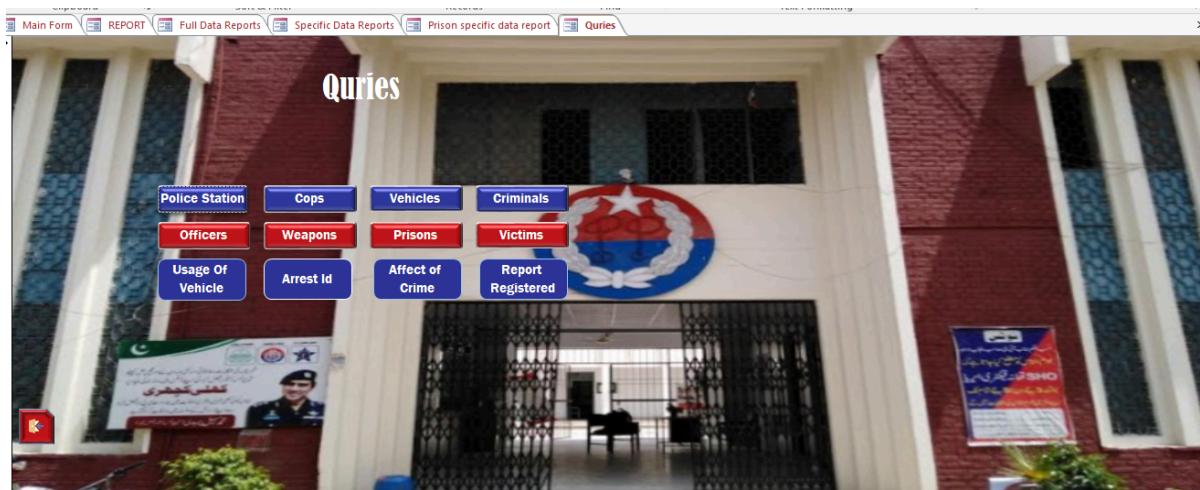


## Menu Forms

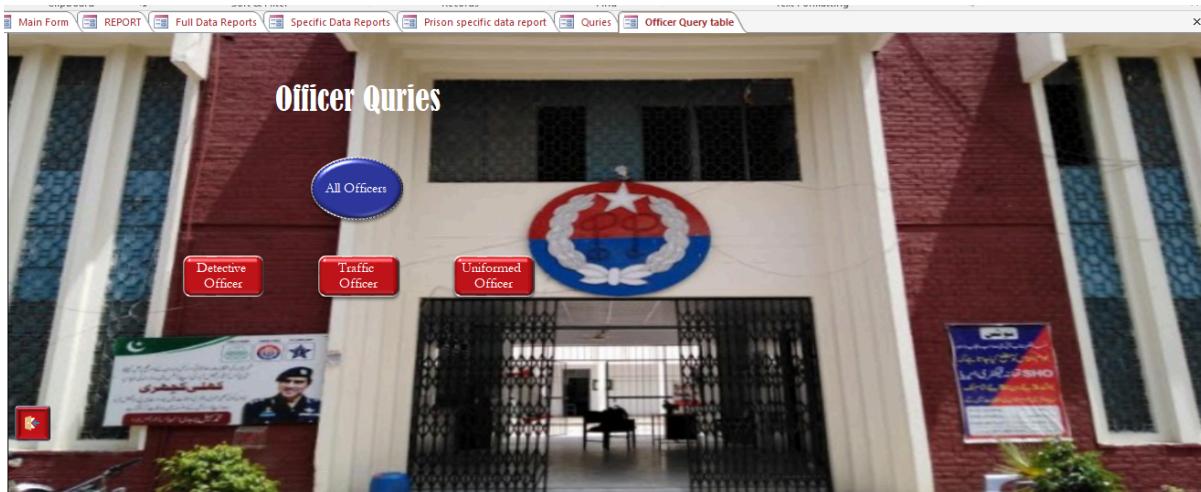
### Main Menu



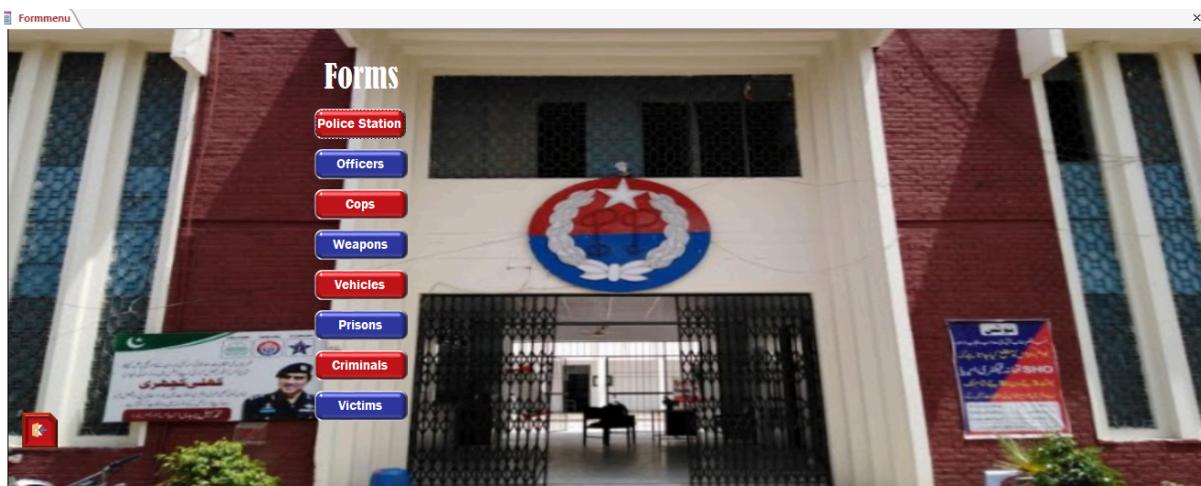
### Queries Menu



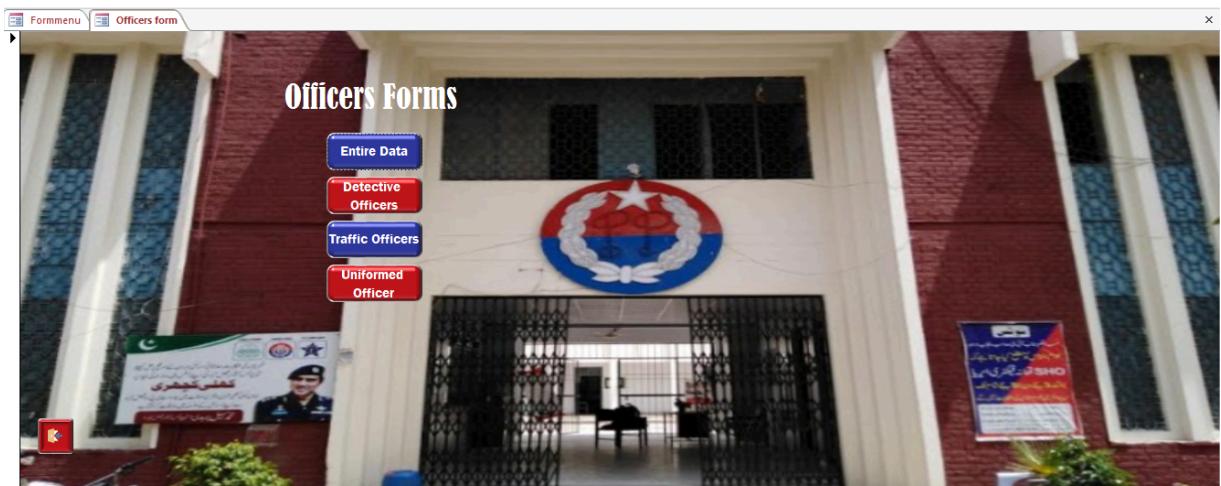
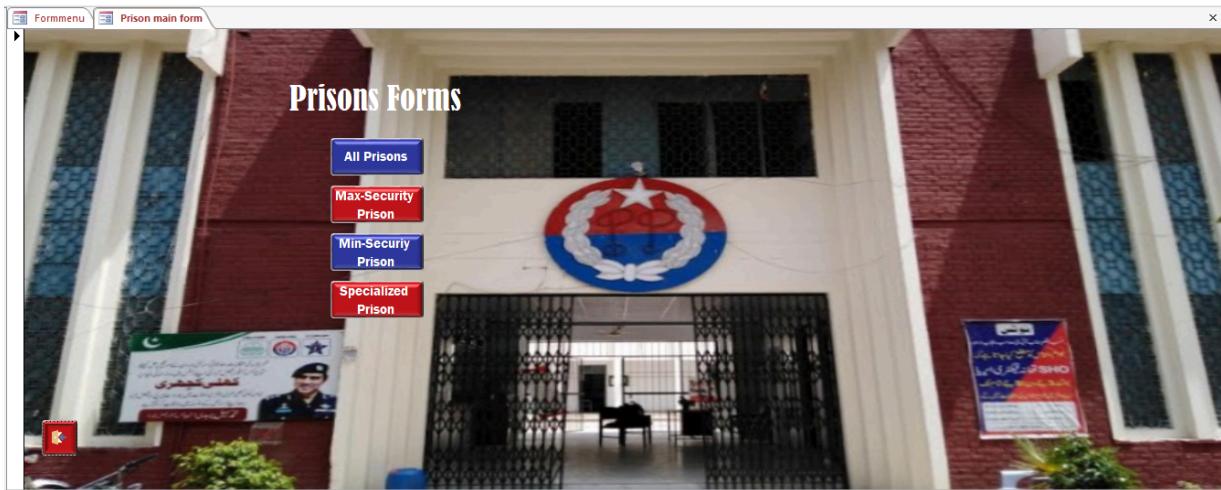
## *Queries of Subclasses Menu*



## *Forms Menu*



## *Forms of Subclasses Menu*



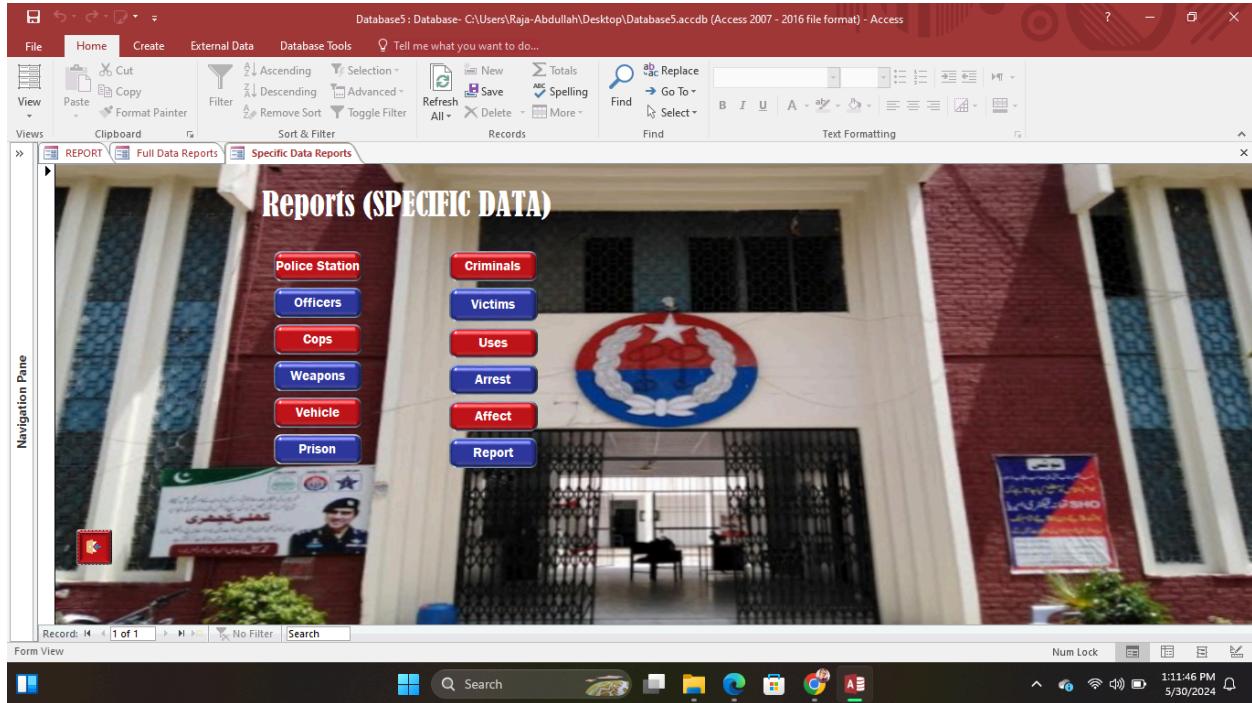
## *Queries Menu*



## *Full Data Reports*

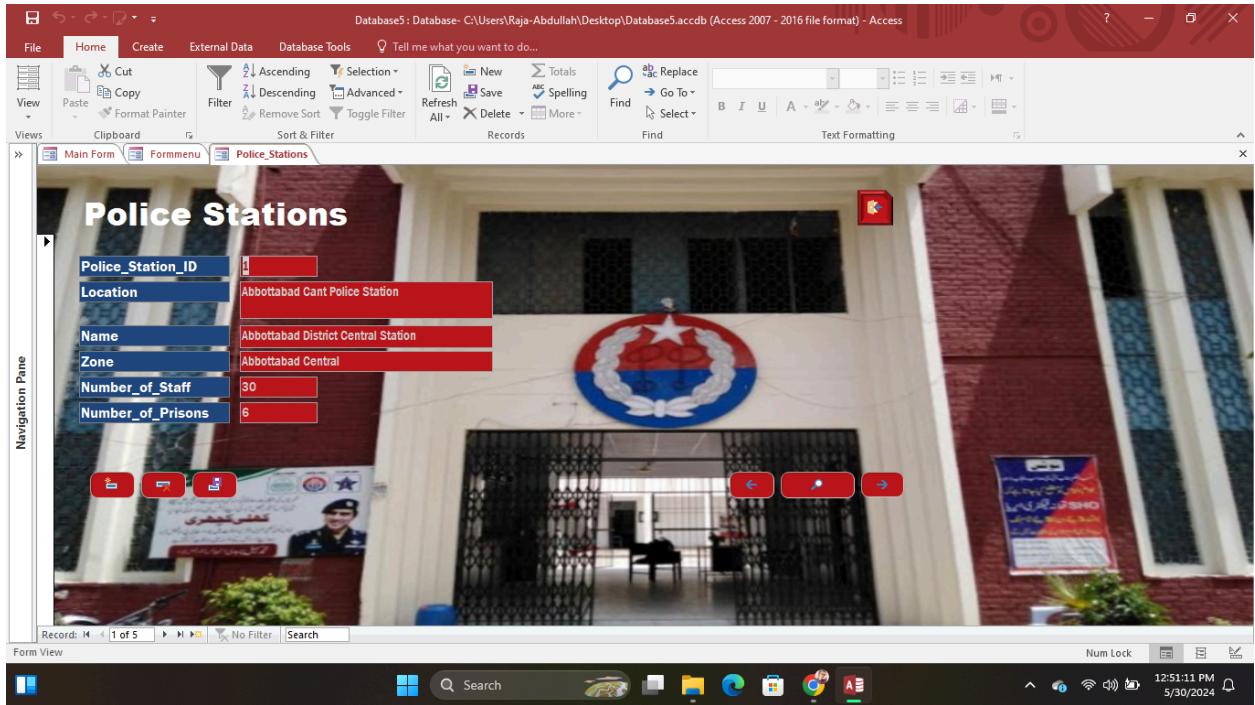
A screenshot of a Microsoft Access application window. The title bar reads "Database5 : Database- C:\Users\Raja-Abdullah\Desktop\Database5.accdb (Access 2007 - 2016 file format) - Access". The ribbon menu is visible with tabs for File, Home, Create, External Data, Database Tools, and a search bar. The Home tab is selected. Below the ribbon is a toolbar with icons for Cut, Copy, Paste, Format Painter, Filter, Sort & Filter, Refresh, Save, Spelling, Find, and Text Formatting. A navigation pane on the left shows "REPORT" and "Full Data Reports". The main area displays a report titled "Reports (FULL DATA)" over a background image of a police station building. The report contains several red and blue rectangular buttons with white text: "Police Station", "Criminals", "Officers", "Victims", "Affects", "Weapons", "Uses", "Report", and "Prisons". At the bottom of the report, there is a "Record: 1 of 1" status bar and a "Search" field. The taskbar at the bottom shows the Start button, a search bar with "Search", and icons for File Explorer, Edge, Google Chrome, and Microsoft Word. The system tray shows the date and time as "11:34 PM 5/30/2024".

## Specific Data Reports

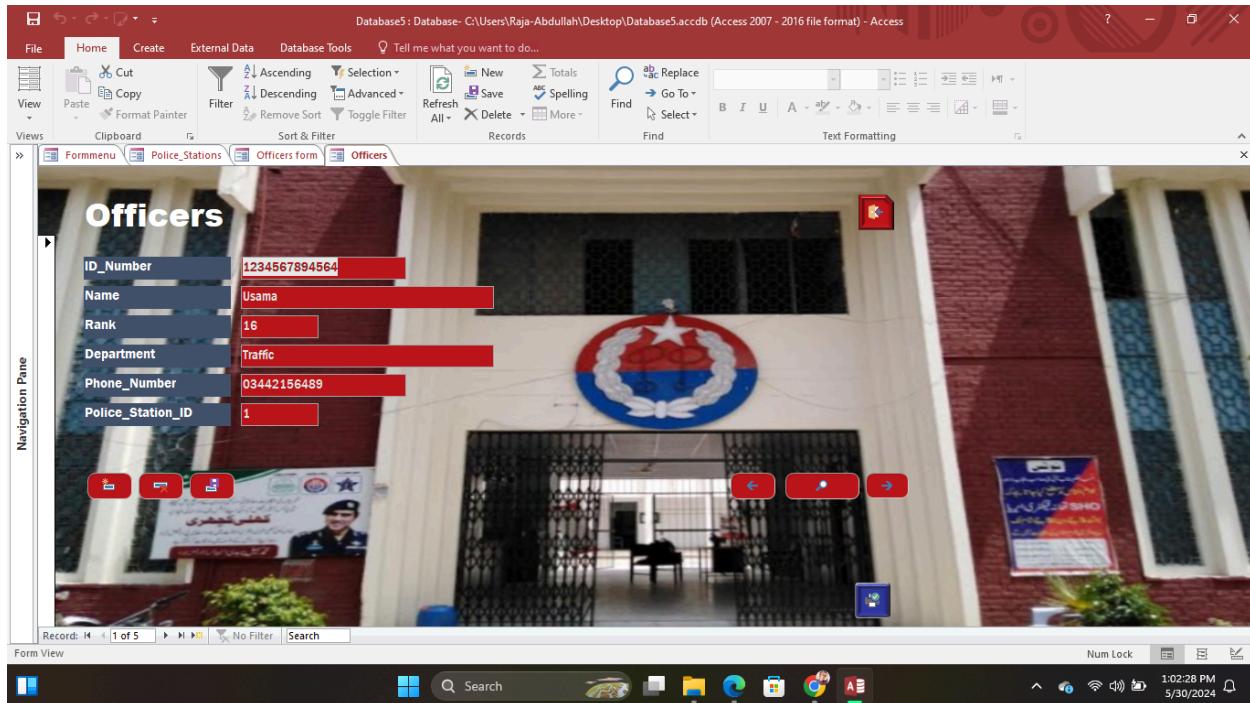


# Forms

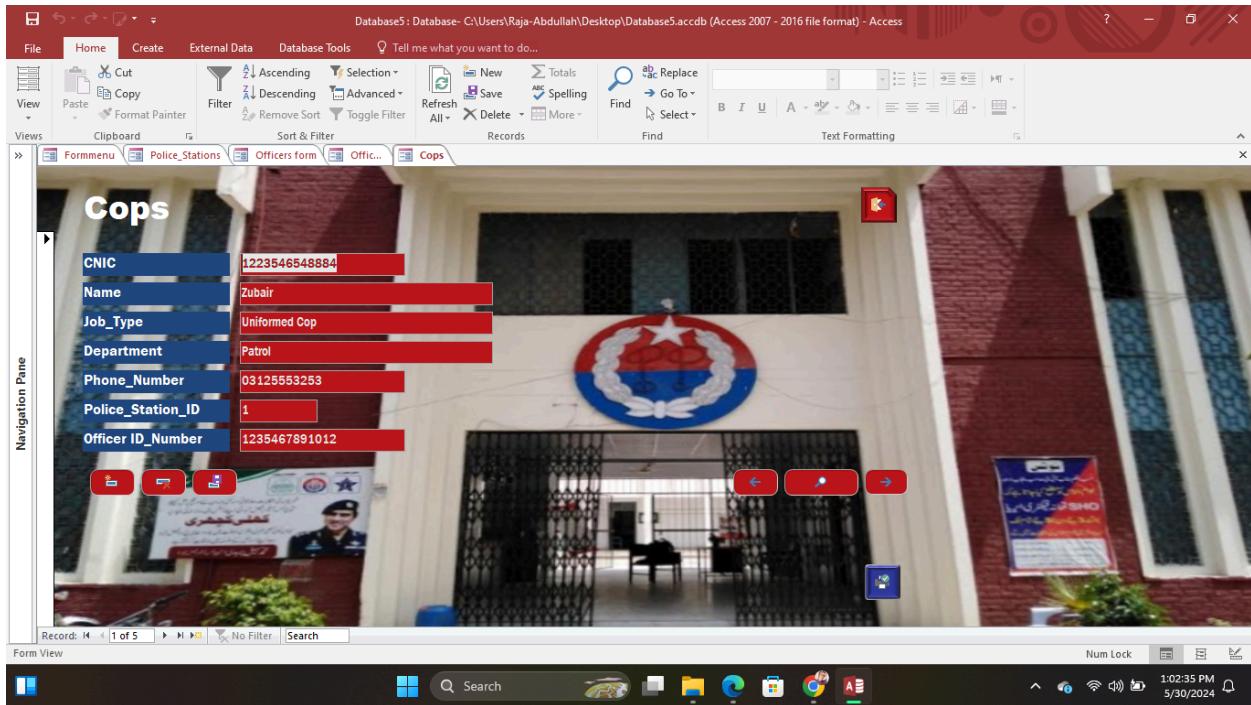
## *Police Station*



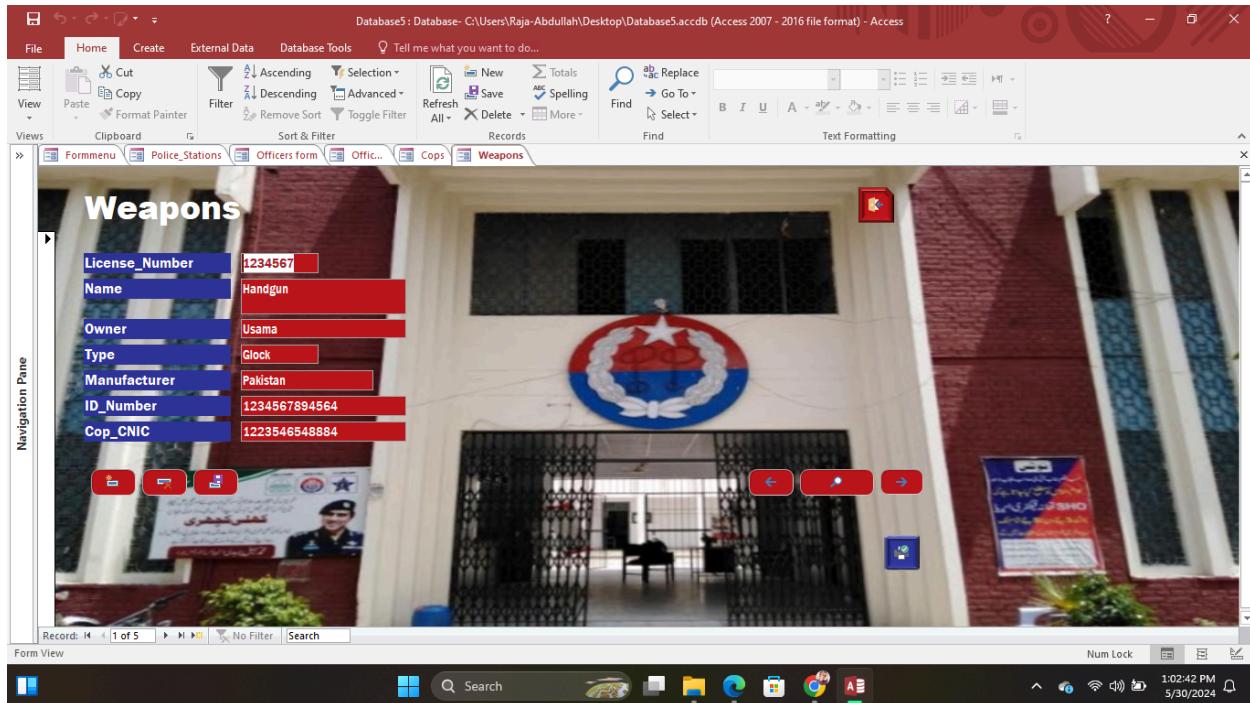
## Officers



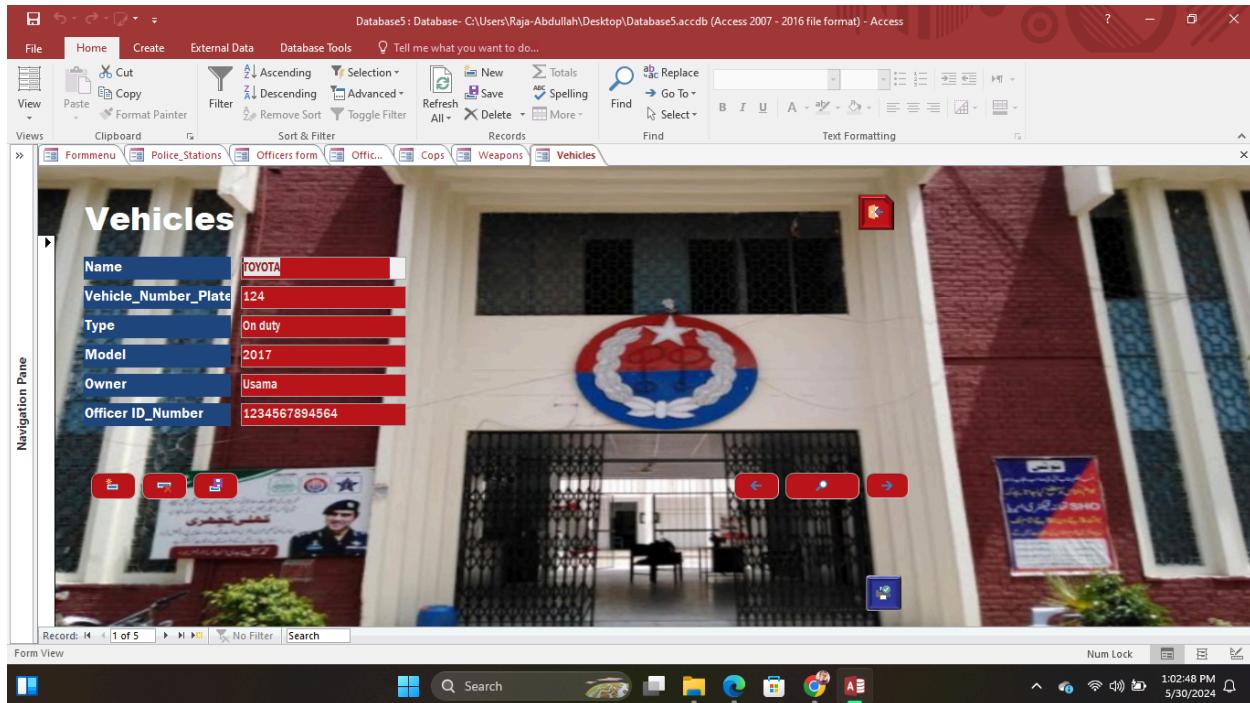
## Cops



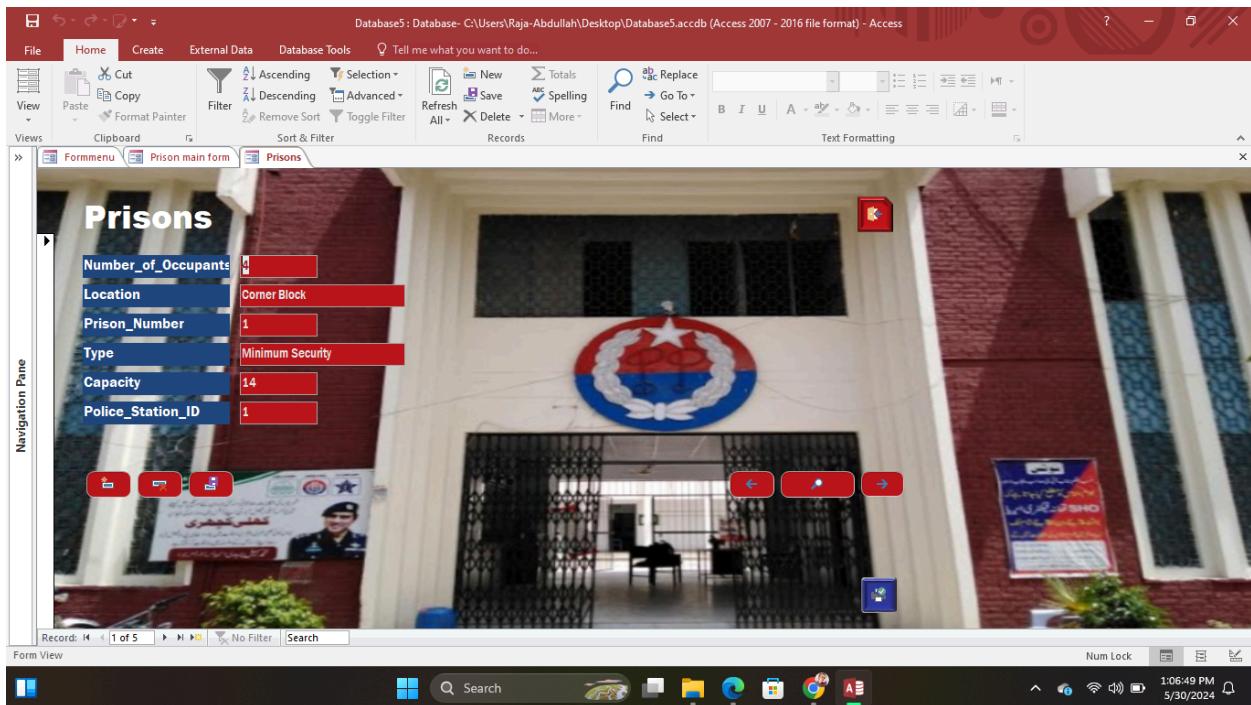
## Weapons



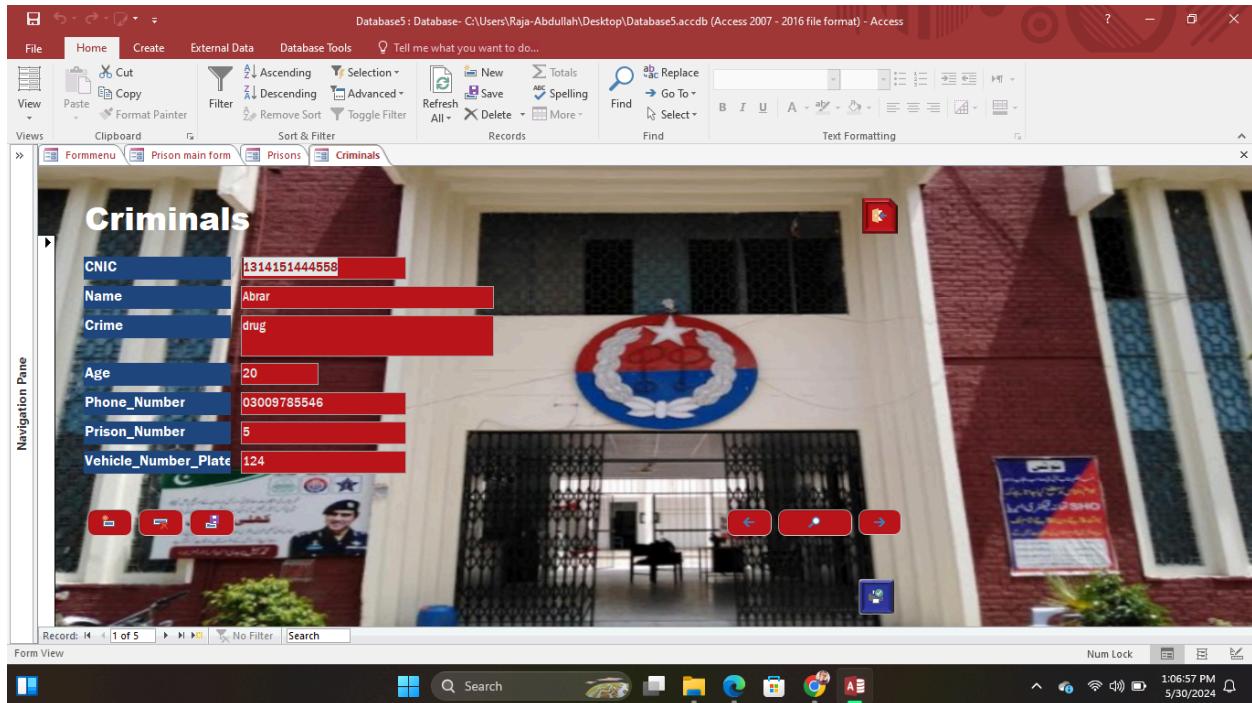
## Vehicles



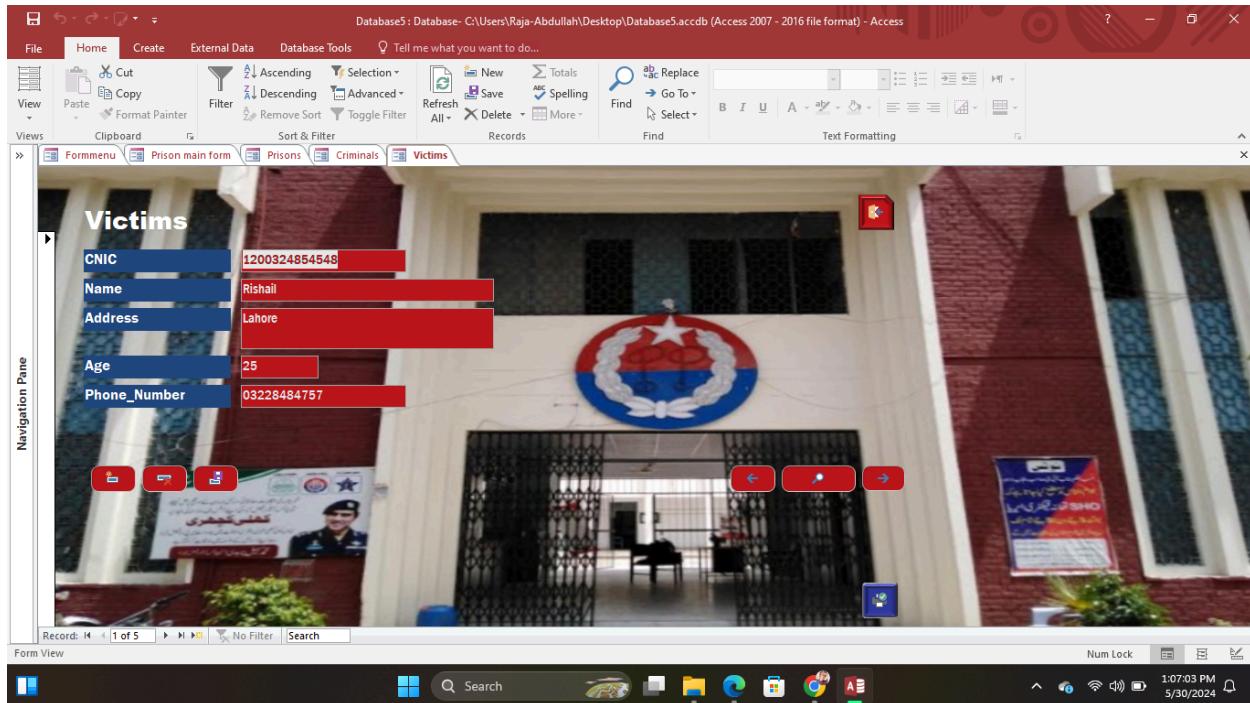
## Prisons



## Criminals



## Victims



# REPORTS

## Police Station

ID	Location	No_of_Staff	No_of_Prisons	Zone	Name
1	Abbottabad Cant Police Station	30	6	Abbottabad Central	Abbottabad District Central Station
2	Islamabad G-11 Police Station	50	10	G-11, Islamabad	G13 - G11 Station
3	Islamabad F-7 Police Station	45	4	F-9, Islamabad	F9 - F7 Central Station
4	Taxila Cant Police Station	35	1	Taxila North	Taxila Tehsil North Station
5	Rawalpindi Police Station	60	15	Rawalpindi Central	Rawalpindi City Central Station

5

Page 1 of 1

## Officers

ID_Number	Name	Rank	Department	Phone_Number	Police_Station_ID
1234567894564	Usama	16	Traffic	03442156489	1
1235467891012	Ali	16	Uniformed	03125488468	2
1305428546488	Talha	15	Detective	03195554982	3
1909065658487	Babar	18	Traffic	03005500065	4
5122345678931	Ahmed	17	Uniformed	03111234567	5

5

Page 1 of 1

## Detective Officers

ID_Number	Investigation_Style
1305428546488	Underground

1

Page 1 of 1

## Traffic Officers

The screenshot shows a software application window titled "Traffic\_Officer". The toolbar includes "Clipboard", "Sort & Filter", "Records", "Find", and "Text Formatting". The main area displays two records:

ID_Number	Registry_Type
1234567894564	Challan Authority
1909065658487	Licence Data

Page 1 of 1

## Uniformed Officers

The screenshot shows a software application window titled "Uniformed\_Officer". The toolbar includes "Clipboard", "Sort & Filter", "Records", "Find", and "Text Formatting". The main area displays two records:

ID_Number	Patrol_Area
1235467891012	Islamabad
5122345678931	Abbottabad

Page 1 of 1

## Cops

The screenshot shows a software application window titled "Cops". The toolbar includes "Clipboard", "Sort & Filter", "Records", "Find", and "Text Formatting". The main area displays a table of police officer records:

CNIC	Name	Job_Type	Department	Phone_Number	Police_Station_ID	ID_Number
1223546548884	Zubair	Uniformed Cop	Patrol	03125553253	1	1235467891012
1310102254846	Osman	Traffic Cop	Traffic	03129865484	1	1909065658487
3587695445662	Talal	Traffic Cop	Traffic	03346221548	1	1234567894564
9090876745223	Rashid	Detective	Detectives	03445353165	1	1305428546488
9965481551564	Ammar	Uniformed Cop	Patrol	03445986648	1	5122345678931

Page 1 of 1

## Weapons

Weapons							Thursday, May 30, 2024 1:21:45 PM
License_Number	Name	Owner	Type	Manufacturer	Officer ID	Cop_CNIC	
1234567	Handgun	Usama	Glock	Pakistan	1234567894564	1223546548884	
2154568	Handclfs	Talal	Glock	India	1305428546488	9090876745223	
3221576	Shotgun	Ali	Remington	America	1235467891012	3587695445662	
8712983	Pistol	Rashid	Glock	America	5122345678931	1310102254846	
9887963	AK47	Usama	Remington	Russia	1909065658487	9965481551564	

5

Page 1 of 1

## Vehicles

Vehicles							Thursday, May 30, 2024 1:22:27 PM
Name	Vehicle_Number_Plate	Type	Model	Owner	ID_Number		
TOYOTA	124	On duty	2017	Usama	1234567894564		
HONDA	300	On duty	1997	Ali	1235467891012		
HONDA	459	Prison Van	1989	Talha	1305428546488		
TOYOTA	639	Protocol	2012	Ahmed	5122345678931		
SUZUKI	704	On duty	2005	Talha	1305428546488		

5

Page 1 of 1

## Criminals

The screenshot shows a Microsoft Access database window titled "Criminals". The top menu bar includes "File", "Clipboard", "Sort & Filter", "Records", and "Find". The status bar at the bottom right shows the date "Thursday, May 30, 2024" and time "1:23:13 PM". The main area displays a table with the following columns: CNIC, Name, Crime, Age, Phone\_Number, Prison\_Number, and Vehicle\_Number\_Plate. The data is as follows:

CNIC	Name	Crime	Age	Phone_Number	Prison_Number	Vehicle_Number_Plate
1314151444558	Abrar	drug	20	03009785546	5	124
3525548554512	Abbas	hacking	19	03458884963	4	459
5546131019123	Bashar	robbery	25	03135549955	1	124
9685425851563	Jahanzaib	fight	32	03129761141	3	459
9874564712135	Khali	murder	28	03338964871	2	459

Page 1 of 1

## Prisons

The screenshot shows a Microsoft Access database window titled "Prisons". The top menu bar includes "File", "Clipboard", "Sort & Filter", "Records", and "Find". The status bar at the bottom right shows the date "Thursday, May 30, 2024" and time "1:24:18 PM". The main area displays a table with the following columns: Number\_of\_Occupants, Location, Prison\_Number, Type, Capacity, and Police\_Station\_ID. The data is as follows:

Number_of_Occupants	Location	Prison_Number	Type	Capacity	Police_Station_ID
4	Corner Block	1	Minimum Security	14	1
1	Special Block	2	Specialized	2	1
4	Cant Block	3	Minimum Security	6	1
10	Corner Block	4	Specialized	10	1
1	Special Block	5	Minimum Security	1	1

Page 1 of 1

## Max Security Prison

SWS Clipboard Sort & Filter Records Find Text Format

Victims Max\_Security\_Prison

**Max\_Security\_Prison** Thursday, May 30, 2024  
1:27:19 PM

Prison_Number	Walls_Size	Guard_Towers	Surveillance
3	30 feet	05	Advanced Surveillance System
1			

Page 1 of 1

## Min Security Prison

SWS Clipboard Sort & Filter Records Find

Victims Min\_Security\_Prison

**Min\_Security\_Prison** Thursday, May 30, 2024  
1:28:02 PM

Prison_Number	Number_of_Guards	Surveillance
1	2	60%
4	5	70%
2		

Page 1 of 1

## Specialized Prison

SWS Clipboard Sort & Filter Records Find T

Victims Min\_Security\_Prison Specialized\_Prison

**Specialized\_Prison** Thursday, May 30, 2024  
1:28:45 PM

Prison_Number	Type_Of_Offenders
2	Drug Addicts
5	Mental
2	

Page 1 of 1

## *Victims*

The screenshot shows a database application window titled "Victims". The top bar includes tabs for "Views", "Clipboard", "Sort & Filter", "Records", and "Find". The main title bar also says "Victims". The date and time displayed are "Thursday, May 30, 2024" and "1:26:29 PM". The table has columns: CNIC, Name, Address, Age, and Phone\_Number. The data is as follows:

CNIC	Name	Address	Age	Phone_Number
1200324854548	Rishail	Lahore	25	03228484757
1234567885445	Zarnosh	Islamabad	35	03128554754
1640416582352	Haris	Karachi	18	03450854564
1909807765211	Muzamil	Abbottabad	40	03335252116
2221115554888	Danish	Rawalpindi	20	03456881258

Page 1 of 1

## *Affects*

The screenshot shows a database application window titled "Affect". The top bar includes tabs for "Views", "Clipboard", "Sort & Filter", "Records", and "Find". The main title bar also says "Affect". The date and time displayed are "Thursday, May 30, 2024" and "1:29:28 PM". The table has columns: CNIC, Victim\_CNIC, and Loss\_Type. The data is as follows:

CNIC	Victim_CNIC	Loss_Type
1314151444558	1909807765211	Drug
3525548554512	1640416582352	Data Loss
5546131019123	1200324854548	Money
9685425851563	1234567885445	Murder
9874564712135	2221115554888	Injured

Page 1 of 1

## Uses

Uses (Cop_Vehicle)		
Cop_CNIC	Vehicle_Number_Plate	Usage_Date
1223546548884	124	2/11/2001
1310102254846	459	2/1/2024
3587695445662	704	1/2/2024
9090876745223	639	5/3/2023
9965481551564	300	5/4/2024

5

Thursday, May 30, 2024  
1:30:20 PM

## Arrests

Arrest (Cops_Criminal)		
Cop_CNIC	Criminal_CNIC	Arrest_ID
1223546548884	1314151444558	242
1310102254846	3525548554512	82
9090876745223	9685425851563	455
3587695445662	5546131019123	290
9965481551564	9874564712135	891

5

Thursday, May 30, 2024  
1:30:09 PM

## Reports

WS Clipboard Sort & Filter Records Find

Report (Victim\_PoliceStation)

### Report (Victim\_PoliceStation)

Thursday, May 30, 2024  
1:25:24 PM

CNIC	Police_Station_ID	Report_Type
1200324854548	1	Robbery
1234567885445	1	Murder
1640416582352	1	Hacking
1909807765211	1	Drug
2221115554888	1	Fight

5

Page 1 of 1

**END**