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202102088

**SQL Query Documentation**

**Creating Tables:**

- Create Users table

CREATE TABLE Users (

National\_ID VARCHAR(20) NOT NULL,

User\_ID VARCHAR(20) PRIMARY KEY,

First\_Name VARCHAR(50) NOT NULL,

Last\_Name VARCHAR(50) NOT NULL,

Email VARCHAR(100) NOT NULL,

Phone\_Number VARCHAR(20) NOT NULL,

Role VARCHAR(20) CHECK (Role IN ('Citizen', 'Officer', 'Admin')) NOT NULL

);

SELECT \*FROM USERS

-- Create Cases table

CREATE TABLE Cases (

Case\_ID VARCHAR(20) PRIMARY KEY,

Case\_Title VARCHAR(100) NOT NULL,

Case\_Description TEXT NOT NULL,

Status VARCHAR(20) CHECK (Status IN ('Open', 'In Progress', 'Resolved')) NOT NULL,

Date\_Opened DATE NOT NULL,

Date\_Closed DATE NULL,

Assigned\_Officer\_ID VARCHAR(20) FOREIGN KEY REFERENCES Users(User\_ID)

);

-- Create Officers table

CREATE TABLE Officers (

Officer\_ID VARCHAR(20) PRIMARY KEY,

Rank VARCHAR(50) NOT NULL,

Badge\_Number VARCHAR(20) UNIQUE NOT NULL,

Availability\_Status VARCHAR(20) CHECK (Availability\_Status IN ('Available', 'Unavailable')) NOT NULL,

FOREIGN KEY (Officer\_ID) REFERENCES Users(User\_ID)

);

-- Create Complaints table

CREATE TABLE Complaints (

Complaint\_ID VARCHAR(20) PRIMARY KEY,

Citizen\_ID VARCHAR(20) FOREIGN KEY REFERENCES Users(User\_ID),

Complaint\_Description TEXT NOT NULL,

Date\_Registered DATE NOT NULL,

Case\_ID VARCHAR(20) FOREIGN KEY REFERENCES Cases(Case\_ID)

);

-- Create Criminals table

CREATE TABLE Criminals (

Criminal\_ID VARCHAR(20) PRIMARY KEY,

First\_Name VARCHAR(50) NOT NULL,

Last\_Name VARCHAR(50) NOT NULL,

Known\_Aliases TEXT NULL,

Arrest\_History TEXT NULL,

Conviction\_History TEXT NULL

);

-- Create Duty\_Schedule table

CREATE TABLE Duty\_Schedule (

Schedule\_ID VARCHAR(20) PRIMARY KEY,

Officer\_ID VARCHAR(20),

Shift\_Start DATETIME NOT NULL,

Shift\_End DATETIME NOT NULL,

Assigned\_Location VARCHAR(100) NOT NULL,

FOREIGN KEY (Officer\_ID) REFERENCES Officers(Officer\_ID)

);

-- Create Incidents table

CREATE TABLE Incidents (

Incident\_ID VARCHAR(20) PRIMARY KEY,

Officer\_ID VARCHAR(20) FOREIGN KEY REFERENCES Officers(Officer\_ID),

Description TEXT NOT NULL,

Location VARCHAR(100) NOT NULL,

Date\_Time DATETIME NOT NULL

);

-- Create Feedback table

CREATE TABLE Feedback (

Feedback\_ID VARCHAR(20) PRIMARY KEY,

Citizen\_ID VARCHAR(20) FOREIGN KEY REFERENCES Users(User\_ID),

Feedback\_Text TEXT NOT NULL,

Feedback\_Date DATE NOT NULL

);

-- Create Stations table

CREATE TABLE Stations (

Station\_ID VARCHAR(20) PRIMARY KEY,

Station\_Name VARCHAR(100) NOT NULL,

Location VARCHAR(100) NOT NULL,

Contact\_Number VARCHAR(20) NOT NULL

);

-- Create InterStation\_Communication table

CREATE TABLE InterStation\_Communication (

Communication\_ID VARCHAR(20) PRIMARY KEY,

Sender\_Station\_ID VARCHAR(20) FOREIGN KEY REFERENCES Stations(Station\_ID),

Reciever\_Station\_ID VARCHAR(20) FOREIGN KEY REFERENCES Stations(Station\_ID),

Message TEXT NOT NULL,

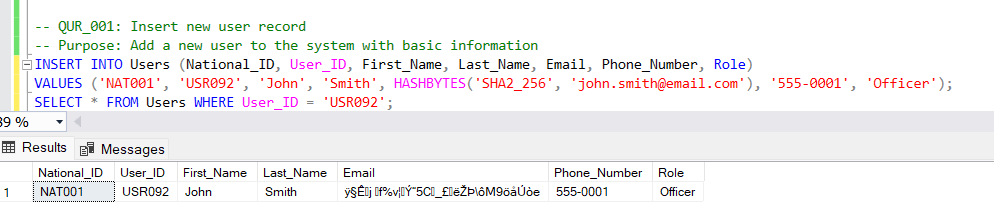
Date\_Time DATETIME NOT NULL

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For Cases, unresolved cases aren’t deleted

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