USE MyNewDatabase; -- Replace with your actual database name

GO

CREATE TABLE TrafficMonitor (

unit\_id INT PRIMARY KEY,

sensor\_type NVARCHAR(50),

traffic\_data NVARCHAR(100),

incident NVARCHAR(200)

);

INSERT INTO TrafficMonitor (unit\_id, sensor\_type, traffic\_data, incident)

VALUES

(1, 'Speed Sensor', '75 km/h', 'None'),

(2, 'Camera', 'Vehicle Count: 120', 'Minor Accident'),

(3, 'Pressure Sensor', 'Heavy Traffic', 'Construction Zone'),

(4, 'Speed Sensor', '65 km/h', 'None');

USE MyNewDatabase; -- Replace with your actual database name

GO

CREATE TABLE ControlCentre (

centre\_id INT PRIMARY KEY,

active\_monitor INT, -- You can relate this to TrafficMonitor.unit\_id if needed

alert NVARCHAR(100),

operation NVARCHAR(100)

);

INSERT INTO ControlCentre (centre\_id, active\_monitor, alert, operation)

VALUES

(1, 2, 'Accident Alert', 'Dispatch Emergency Services'),

(2, 3, 'Traffic Congestion', 'Adjust Signal Timings'),

(3, 1, 'Normal', 'Monitor Only'),

(4, 4, 'Construction Warning', 'Reroute Traffic');

USE MyNewDatabase; -- Replace with your actual database name

GO

CREATE TABLE TollBooth (

booth\_id INT PRIMARY KEY,

operator\_id INT,

toll\_rate DECIMAL(10, 2),

collected\_amount DECIMAL(12, 2),

location NVARCHAR(100)

);

INSERT INTO TollBooth (booth\_id, operator\_id, toll\_rate, collected\_amount, location)

VALUES

(1, 101, 2.50, 1250.00, 'Highway 5 North'),

(2, 102, 3.00, 980.00, 'Bridgeway Exit'),

(3, 103, 1.75, 1600.50, 'Tunnel Entry'),

(4, 104, 2.25, 750.25, 'East Bypass');

USE MyNewDatabase; -- Replace with your actual database name

GO

CREATE TABLE VehicleInformation (

vehicle\_id INT PRIMARY KEY,

vehicle\_type NVARCHAR(50),

toll\_status NVARCHAR(20), -- e.g., 'Paid', 'Unpaid', 'Exempt'

entry\_time DATETIME,

exit\_time DATETIME

);

INSERT INTO VehicleInformation (vehicle\_id, vehicle\_type, toll\_status, entry\_time, exit\_time)

VALUES

(1, 'Car', 'Paid', '2025-05-11 08:00:00', '2025-05-11 08:45:00'),

(2, 'Truck', 'Unpaid', '2025-05-11 07:30:00', '2025-05-11 08:50:00'),

(3, 'Motorcycle', 'Exempt', '2025-05-11 09:15:00', '2025-05-11 09:45:00'),

(4, 'Bus', 'Paid', '2025-05-11 06:50:00', '2025-05-11 07:40:00');

USE MyNewDatabase; -- Replace with your actual database name

GO

CREATE TABLE TeamSchedule (

team\_id INT PRIMARY KEY,

schedule DATETIME, -- When the team is scheduled to work

assigned\_zone NVARCHAR(100), -- e.g., "Zone A", "Highway 3", etc.

report\_status NVARCHAR(50) -- e.g., "Submitted", "Pending", "Incomplete"

);

INSERT INTO TeamSchedule (team\_id, schedule, assigned\_zone, report\_status)

VALUES

(1, '2025-05-11 06:00:00', 'Zone A', 'Submitted'),

(2, '2025-05-11 07:00:00', 'Highway 3', 'Pending'),

(3, '2025-05-11 08:30:00', 'Tunnel Sector', 'Incomplete'),

(4, '2025-05-11 09:15:00', 'Bridge Sector', 'Submitted');