ASSIGNMENT 1

Create a Mini Data World for any domain

1. Domain choose: <u>TRAFFIC POLICE MANAGEMENT</u>

2. Data description:

   - OfficerName
   - Rank
   - AssignedArea
   - VehicleNumber
   - OwnerName
   - ViolationType
   - FineAmount
   - PaymentStatus

3. Types of Users :
   - Traffic Officer

   - Public
   - Admin staffs

4. Challenges faced in the traditional implementation of the system.

   - Difficult to find old records
   - Takes time to issue fines
   - No online payment
   - Difficult to track
   - No real-time updates

5. How does DBMS help in overcoming the challenges faced.

   - All records are stored in computer
   - Easy to search old records quickly
   - Public can pay fines online
   - Tracks repeat offenders easily
   - Updates in real-time

6. List the tables that can be used in the system.

OFFICER NAME	POST	ASSIGN--ED AREA	VEHICLE NUMBER	OWNER NAME	VIOLATION TYPE	FINE	PAYMENT STATUS
RAM	INSPECTOR	MG ROAD	KA09TY9776	RAJESH	NO SEAT BELT	1000	UNPAID
RAKESH	CONSTABLE	MAGADI ROAD	KA51OP9900	RAMYA	NO HELMET	1500	PAID
SEEMA	INSPECTOR	JP NAGAR	KA24MX2200	RADHA	SIGNAL JUMP	750	PAID

7. Prepare schema for each table/relation.

OFFICER-name,post,assigned area
OWNER-name,vehicle number
VIOLATION-type,fine,payment status

OFFICER handles violations.

VEHICLE belongs to owner.

VIOLATION connects vehicle to fine details.