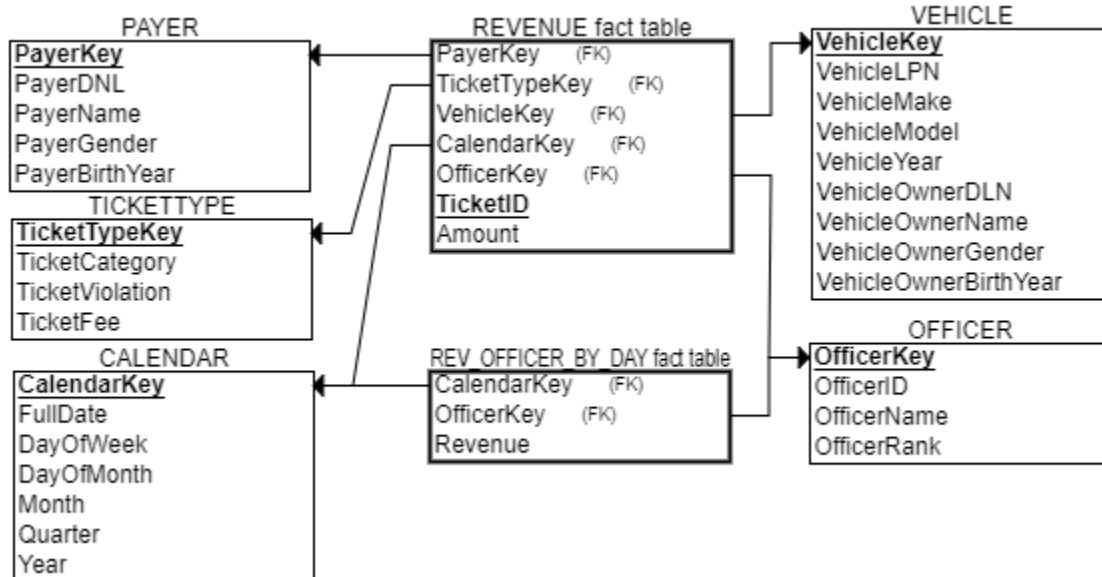


a.

- To create the CALENDAR Dimension table use DDate column from DRIVINGTICKET operational table.
- To create PAYER Dimension table use OwnerDNL, OwnerName, OwnerGender, and OwnerBirthYear columns from VEHICLE REGISTRATION TABLE.
- To create the OFFICER Dimension table use columns OfficerID, OfficerName, OfficerRank from OFFICER operational table.
- To create VEHICLE Dimension table use columns VehicleLPN, VehicleMake, VehicleModel, VehicleYear, OwnerDLN, OwnerName, OwnerGender, OwnerBirthYear from VEHICLE REGISTRATION TABLE.
- To create TICKETTYPE Dimension table join DTICKETTYPE and PTICKETTYPE tables using columns DTTypeID and PTTypeID. Needed data need to be from columns DTViolations, DTFee from the DTICKETTYPE table and columns PTViolations, DTFee from the PTICKETTYPE table.
- To create TICKETREVENUE Fact table join table dimensions PAYER, CALENDAR, OFFICER, VEHICLE, TICKETTYPE. To join use columns OfficerID, DLN, DTTypeID, VehicleLPN, PTTypeID. Columns needed to provide the data are CalendarKey, OfficerKey, PayerKey, VehicleKey, TicketTypeKey, DTViolation, PTViolation, DTFee.

b.



c.

REV OFFICER BY DAY Fact table		
CalendarKey	OfficerKey	Revenue
J01	01	\$300
J01	02	\$350
J02	03	\$250