CONTEST -2

Scenario: Bus Ticket Booking [Tamil Nadu - Year: 2021]

Database Structure / Schema Designing(Without Fields Given)

Note : Guys! Just share your tables along with the fields as PK or FK details. As discussed , for now upload the first six questions answers, retrieved from the table designed by you. Enter your details in this docx as, table name as column name in the below table and column names in the row of this table .i,e:

Table1	Table2
Table1.Col1	Table2.Col1
Table1.Col2	Table2.Col2

The names were in alphabetical order.(Lakshanaa,Renu,Rithika,Sanmathi,Yadhavi,Yuvaraaj)
Identifying the required fields and creating database schema for the following scenario questions::

1. Most travelled destination district.
2. Most tickets are booked on which day of the week.
3. Avg Ticket booked in a month.
4. Avg Ticket booked in a year.
5. No. tickets booked month-wise.
6. List of districts
7. Total distance travelled by all the buses in the month of January.
8. The total number of tickets cancelled in the year.
9. Total passengers in the month of April.
10. Name of the passenger who travelled/ booked in the year.
11. Gender-wise ticket booked in the year.
12. Fast ticket filling month of the year.

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1. Lakshanaa No.of.Tables:

main	dist_list	months	dist_estimate		
district(fk)	id(ai)	id(ai)	id(ai)		
booked_date	district_name	month	from		
month(fk)			to		
from(fk)			km_distance		
to(fk)					

cancelled_date					
gender(f)					
id(ai)					
distance(fk)					
name					
day(flag)					

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2. Renu No.of.Tables:09

Note : PK:Primary Key FK:Foreign Key F:Flags

User	Booking	Ticket	Date	Bus	Driver	Location	Route	Cancellation
Id(PK)	User_id(FK)	Id(PK)	Id(PK)	Id(PK)	Id(PK)	Id(PK)	Id(PK)	Id(PK)
Name	Amount	Name	Date	Name	Name	Name	Route	Ticketid
Mobile		Bus_id(FK)	Days(F)	Total_seats	Age		Route_distance	Reason
Email		From(FK)		Type(F)	Mobile			Created_at
Address		To(FK)			Address			
		Route_id (FK)						
		Seat_no						
		Bus_type(F)						
		Gender(F)						
		Age						
		Creates_at						
		Date(FK)						

Answers:

1. The highest count of (Ticket->to)
2. The highest count of (Ticket->Date(date_id of (->Date(table)->Day))
3. count(No.of.ticket_id) / No.of.days
4. count(No.of.ticket_id)/ No.of.days
5. count(No.of.ticket_id) based on month(Date from Ticket -> Date from Date)
6. From Location->name
7.
8. count(Cancellation->id) based on year of (Created_at)
9.
10. Ticket->Name
11. Groupby(Ticket->Gender)
12.

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3. Rithika No.of.Tables:07

PK-PRIMARY KEY, FK-FOREIGN KEY

DRIVER	**BUS**	**PASSENGER**	**PAYMENTS**	**RESERVATION**	**TRANSACTION_REPORT**	**TICKET**
Driver_id (PK)	Bus_id(PK)	Passenger_id(PK)	Payment_id(PK)	Reservation_id(PK)	Report_id(PK)	Ticket_no**(PK)**
Driver_name	Bus_no	Name	Passenger_id(FK)	Passenger_id(FK)	Passenger_id(FK)	Passenger_id**(FK)**
Bus_id(FK)	Bus_type	Gender	Reservation_id(FK)	Bus_id(FK)	Reservation_id(FK)	Date
	Bus_seats	Age	Payment_date	Departure_time	payment_id(FK)	Month
	Driver_id (FK)	Contact_no		Destination	report_date	
				Reservation_date		

ANSWERS:

1. The maximum count of destination
2.
3. Maximum of ticket_no/no.of days
4. Maximum of ticket_no/no. of days
5.
6. Select destination from Reservation
7.
8.
9. Maximum of ticket_no from ticket where month=april
10. Select name from passenger
11. Select Gender, count(Gender) from passenger Group by gender;
12.

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4. Sanmathi No.of.Tables:09

customer	**payment**	**Travel schedule**	**Destination**	**bus**	**driver**	**ticket**	**cancel**	**date**
Cusid(pk)	**Paymentid(pk)**	**Scheduleid(pk)**	**Dest_add(pk)**	**Busid(pk)**	**Driverid**	**Ticketid(pk)**	**Paymentid**	**Date**
Name	**Schedule**	**Date**	**district**	**number**	**Name**	**Cusid**	**Canceldate**	**Month**
Email	**Cusid**	**Busid**		**Capacity**	**Contact**	**Date(fk)**		**Year**
Contact	**No of tickets**	**Driverid**		**type**	**address**	**Seatno**		**day**

address	**Total amount**	**Strt_add**				**Gender**		
		Dest_add(fk)				**Age**		
		Distance				**Scheduleid**		
		Timing						
		Amountper seat						

ANSWERS:

1.Maximum destination district from table 4

2.day from date table

3.max ticketid/no of days

4.max ticketid/no of days

5. max ticketid/no of days

6. From destination table

7.From schedule table

8.From cancellation table

9.no of ticketed in April

10.

11.Groupby gender-ticket

12.

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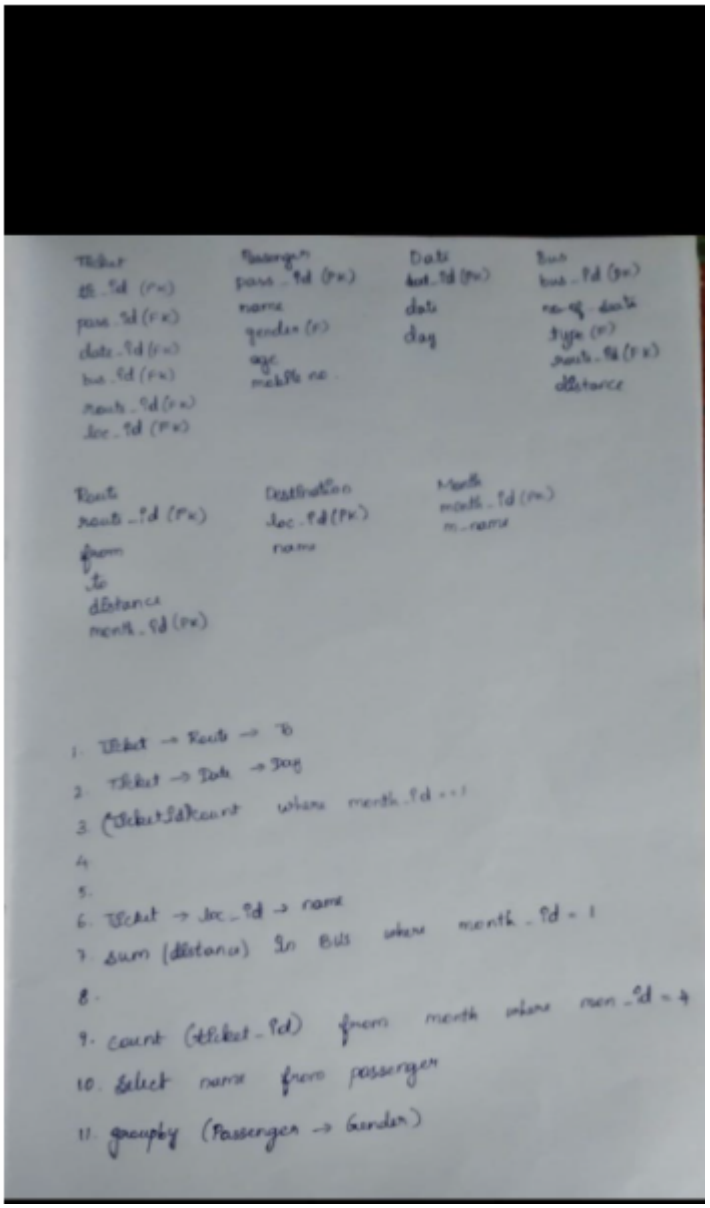
5. Yadhavi No.of.Tables:



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6. Yuvaraaj No.of.Tables: 8

AI - Auto increment

Bus	Driver	Passenger	Payment	Route	Ticket	City	Date
B_Id(PK)(AI)	Dr_Id(PK)	Ps_Id(PK)	Ps_Id(FK)	Rt_No(PK)(AI)	T_ID(PK)	ID(PK)	No(AI)

Seats	Name	Name	Cost	From	From	Code	Day
Dr_Id(FK)	Contact	Contact		To	To	Name	Date
	B_Id(FK)	Age		Km	B_Id(FK)		
		Gender(F)			Ps_Id(FK)		
					No(FK)		

Answers:

1.count(Ticket - to) Table 6

2.max(count(distinct(No))) Table 6

3.count(Ticket_Id)/12

4.count(Ticket_Id)/365

5.

6.distinct(City - ID) Table 7

7.

8.

9.

10.count(distinct(name)) Table 3

11.count(Ps_Id->groupBy(Gender))

12.

1. Lakshanaa
2. Yuvaraaj
3. Booked date->month
4. Booked date->year
5. count(ticket_id)where month_id=1
6. District_id
7. sanmathi
8. yuvaraaj->flag
9. Yadhavi
10. Renu
11. Yadhavi
12. Renu