ASSIGNMENT - 01

1. Domain / Scenario chosen :
Flight Reservation System

2. Data description :
* flight_id, airline, destination, departure time, arrival time
* passenger id, Name, passport number, phone, emails address
* booking data, seat number, payment status, payment method

3. Types of Users :
* Admin Staff -> They manage flight schedules
* Passengers -> Book and manage tickets online
* Customer Support -> They assist passengers with bookings, cancellations

4. Challenges faced in the traditional implementation of the system
* Manual booking errors which leads to double-booking
* Difficulty in updating availability of seats
* Time - consuming processes for cancellations
* No online Booking

5. How does DBMS help in overcoming the challenges faced
* Personalized technology
* Real-time updates for availability of seats
* Bookings and Payments made easier with online booking

6. List the tables that can be used in the system
* Flights
* Passengers
* Bookings

7. Prepare schema for each table.

Flights

Flight-id	flight-number	Airline	Destination	Departure time	Arrival time
1	AI 503	Air India	Mumbai	10:30	12:30
2	IG 756	Indigo	Delhi	8:00	10:00
3	AI 658	Air India	Dubai	6:30	8:30

Passengers

Id	Name	Passport Number	Phone	Email	Address
1	Preethi	P123t5	9876543210	pre12@gmail.com	Bengaluru
2	Chichana	P6789	9687327002	chin3t@gmail.com	Bengaluru
3	Deeksha	P8674	9543216789	dee56@gmail.com	Bengaluru

Bookings

Id	Booking date	seat number	ticket status	Amount	Payment status
1	01-08-2025	12A	Booked	55000	Paid
2	02-08-2025	6D	Booked	65000	Paid
3	03-08-2025	8C	Booked	76000	Paid