Tourism Management System using MariaDB

Dream Holidays' Database Manager

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User Details :

This project is a simple travel management system. The system is designed to accommodate both administrators and users. Administrators have comprehensive permissions, enabling them to execute all operations within the system, such as adjusting settings, retrieving sensitive data, and overseeing user accounts.

Conversely, users have a different view, one comprising various packages, itineraries, and an enquiry system. Their access is tailored as consumers with no access to the database. This approach ensures that potential consumers can easily view and inquire about packages, while administrators can resolve those inquiries and manage the data.

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PROBLEM DEFINITIONS AND DATA MODELING

Problem Statement:

The travel and tourism industry grapples with cumbersome manual processes, leading to delays, errors, and missed opportunities for delivering exceptional experiences. Booking management, itinerary planning, and customer interaction are plagued by inefficiencies, hindering seamless travel experiences for passengers and operational effectiveness for tour operators. There is a critical need for a transformative solution to streamline operations, enhance customer satisfaction, and drive profitability in this dynamic industry.

Our proposed Travel and Tourism Management System seeks to improve the industry by automating booking processes, optimizing itinerary planning, and facilitating seamless communication between passengers and operators. Through a user-friendly interface and easily usage database manager, the system will elevate the travel experience, ensuring convenience, satisfaction, and operational efficiency for all stakeholders.

By addressing the challenges of traditional travel management, the system aims to deliver significant benefits. Passengers will enjoy a hassle-free booking process and reliable travel arrangements, leading to enhanced satisfaction and loyalty. Meanwhile, travel agencies and tour operators will experience streamlined processes, better organization, and improved communication, resulting in increased productivity and profitability. Ultimately, embracing innovation and prioritizing customer-centric solutions will provide stakeholders with a competitive edge in the evolving landscape of travel and tourism management.

ER Model :

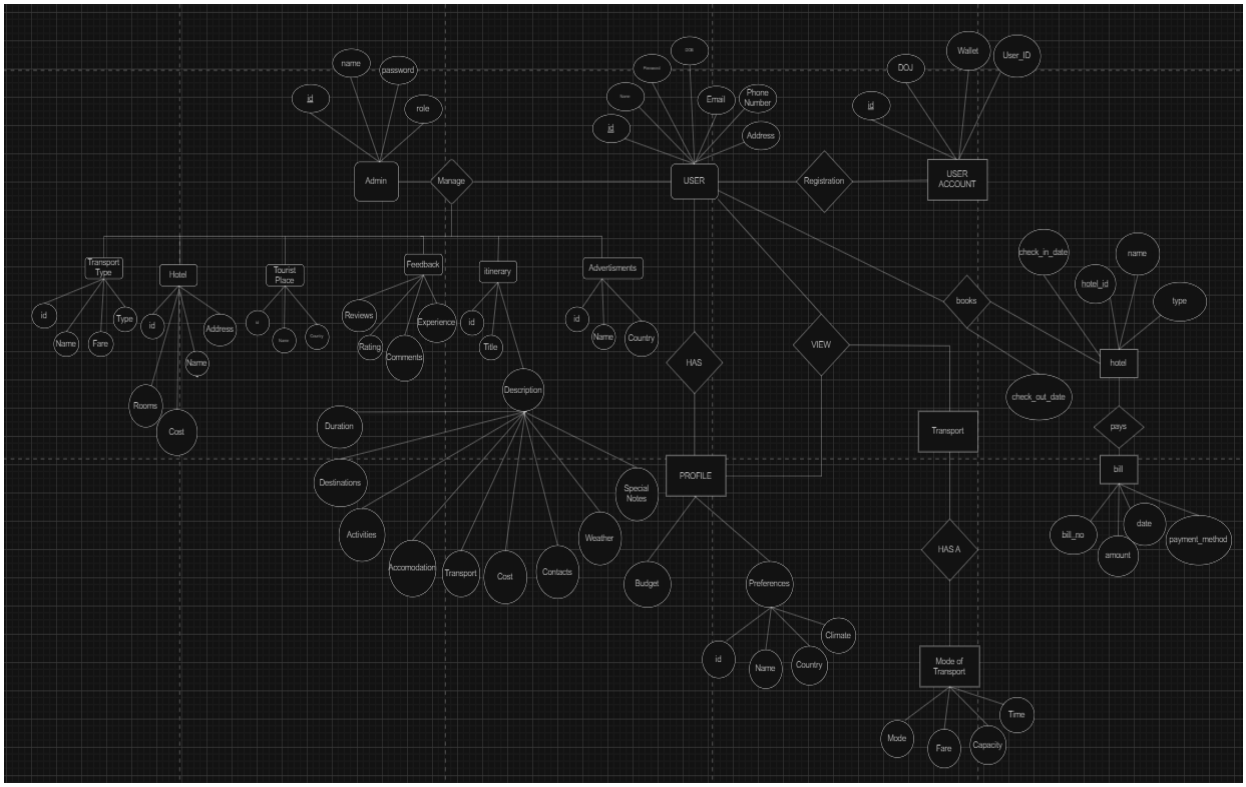


Figure 1.1 Original ER Diagram

Revised Problem Statement:

The travel and tourism industry grapples with cumbersome manual processes, leading to delays, errors, and missed opportunities for delivering exceptional experiences. Booking management, itinerary planning, and customer interaction are *plagued by inefficiencies, hindering seamless travel experiences for passengers and operational effectiveness for tour operators*. There is a *critical need for a transformative solution to streamline operations, enhance customer satisfaction, and drive profitability in this dynamic industry*.

Our proposed Travel and Tourism Management System seeks to improve the industry for a local business "**Dream Holidays**" by creating an *administration centric website* for them. Through a user-friendly interface and easily usable database manager, they will be *able to convert their register based data entries into a proper database which will be backed by an easy to use database manager as well*. So now they can perform various operations like create, update and delete easily in their database.

The website also has *an engaging UI for the potential consumers* who can check out the various itineraries and packages produced by our business. Furthermore they can *view various reports of our company as well as enquire about each product while also generating bills for the same.*

We will use a **Tech Stack** comprising of :

1. **MariaDB** for database. (course requirement)
2. **php** for front end and integration with database .
3. **PowerBI** for report generation of our data.

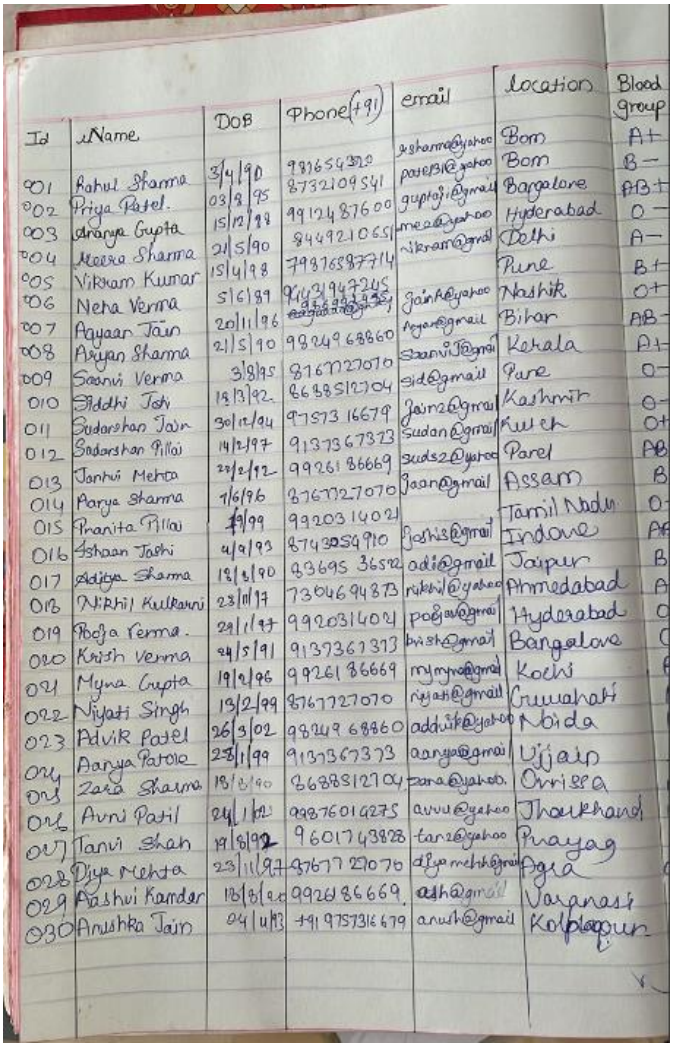
End User Expectations (Fundamental**) :**

1. The business expects a proper schema and structure for all their data.
2. A proper database with all their existing data stored properly in.
3. Admin rights to add, update and delete various data entries like hotels, packages, transport, etc.
4. Users should be able to read the product details.
5. Users should be able to raise enquiries that will be resolved by the administration staff later.
6. Easy and appealing interface for usage.

End User Expectations (Extra**) :**

1. User should be able to generate bill if they book any package.
2. Admin should be able to view the dashboard consisting of a report with various parameters of the business in real time.
3. Generation of all the lists of inventory for the admin. (here, transport, hotels, employee information, etc)

Dataset Source :



Id	Name	DoB	Phone(+91)	email	location	Blood Group
001	Rahul Sharma	3/4/90	9816543210	rsharma@yahoo	Bom	A+
002	Priya Patel	03/2/95	8732109541	pavers@yahoo	Bom	B−
003	Aranya Gupta	15/12/98	9912487600	guptaji@gmail	Bangalore	AB+
004	Meera Sharma	21/5/90	8449210651	meera@yahoo	Hyderabad	O−
005	Vikram Kumar	15/4/98	7981658774	vikram@gmail	Delhi	A−
006	Neha Verma	5/6/89	9823947205	[illegible]	Pune	B+
007	Aayaan Jain	20/11/96	[illegible]	Jain@yahoo	Nashik	O+
008	Arjun Sharma	21/5/90	9824968860	ayan@gmail	Bihar	AB−
009	Saanvi Verma	3/8/95	8767727070	Saanvi@gmail	Kerala	A+
010	Siddhi Joshi	13/3/92	8688512704	sid@gmail	Pune	O−
011	Sudarshan Jain	30/12/94	97573 16679	Jain2@gmail	Kashmir	O−
012	Sudarshan Pillai	14/2/97	9137367373	Sudan@gmail	Kuleh	O+
013	Janvi Mehta	22/2/92	99261 86669	suds2@yahoo	Parel	AB
014	Arya Sharma	7/6/96	8767727070	Jaan@gmail	Assam	B
015	Pranita Pillai	9/9/99	9920314021		Tamil Nadu	O−
016	Ishaan Joshi	4/2/93	8743259910	Joshi8@gmail	Indore	AB
017	Adiya Sharma	19/8/90	93695 36592	adi@gmail	Jaipur	B
018	Nikhil Kulkarni	23/11/97	7304694873	nikki@yahoo	Ahmedabad	A
019	Pooja Verma	29/1/97	9920314021	pooja@gmail	Hyderabad	O
020	Krish Verma	24/5/91	9137367373	krish@gmail	Bangalore	O
021	Myra Gupta	19/2/96	99261 86669	myra@gmail	Kochi	A
022	Nijati Singh	13/2/99	8767727070	nijati@gmail	Guwahati	
023	Advik Patel	26/3/02	98249 68860	advik@yahoo	Nbida	
024	Aarya Patole	28/1/99	9137367373	aarya@gmail	Ujjain	
025	Zara Sharma	19/8/90	8688512704	zara@yahoo.	Orrisa	
026	Avni Patil	24/1/92	9881614275	avni@yahoo	Jharkhand	
027	Tanvi Shah	19/8/92	9601743828	tanvi@yahoo	Prayag	
028	Diya Mehta	23/11/97	87677 27070	diya.mehta@gmail	Agra	
029	Rashvi Kander	15/8/[illegible]	99261 86669	ash@gmail	Varanasi	
030	Anushka Jain	04/4/93	+91 9757316679	anush@gmail	Kolhapur	

Figure 1.2 Original register Pages

Blood Group	DOJ	Wallet	Budget	Country	Group	Food	Transport
A+	9/2/24	1100	20000	Ind	N	N	T
B−	15/3/24	0	50000	Ind	N	N	T
AB+	10/4/24	0	90000	Aus	N	N	FB
O−	20/5/24	400	39000	Ind	N	V	FE
A−	22/6/24	0	100070	Belgium	Y(4)	V	FE
B+	11/7/24	0	90030	Dubai	N	V	FB
O+	7/8/24	1150	35000	Paris	N	Jain	T
AB−	20/9/24	0	28000	Ukraine	N	V	FE
A+	25/10/24	450	24000	Newyork	N	V	FB
O−	11/4/24	0	50000	Delhi	N	N	T
O−	12/12/24	1900	26000	Denmark	N	N	FB
O+	21/1/22	0	22000	Dublin	N	V	FE
AB+	7/2/22	0	55000	Nottingham	Y(2)	V	FE
B+	5/11/22	0	75000	California	N	N	FE
O+	30/6/23	0	90000	Iceland	N	V	FE
AB−	18/7/23	480	45000	Ireland	N	N	FE
B−	26/8/23	1080	39000	UK	N	N	FE
A+	11/10/23	680	58000	Germany	Y(5)	V	FE
O+	11/11/23	0	80000	France	N	V	FE
O+	23/11/23	0	60000	Berlin	N	V	FE
B+	1/12/B.	0	75000	Birmingham	Y(4)	N	FE
A+	3/2/24.	0	65000	Aus	Y(5)	V	FE
B−	2/4/24	1350	95000	China	Y(6)	N	FE
AB−	18/5/24.	0	900000	Russia	Y(4)	N	FE
O−	15/6/24.	0	70,000	Moscow	N	N	FE
A+	1/8/24.	1950	150000	Singapore	N	N	FB
B+	2/9/24.	0	130,000	Qatar	N	N	FB
27	22/10/24.	2250	85000	Abu Dhabi	Y(5)	N	FE
A+	14/11/24	0	100000	Sri lanka	Y(2)	N	FB
B−	29/12/24	0	150000	Washington	Y(4)	N	FB
B+	31/2/24	0	120000	Kuwait	Y(4)	J	FB

Figure 1.3 Original register Pages

Revised ER Diagram:

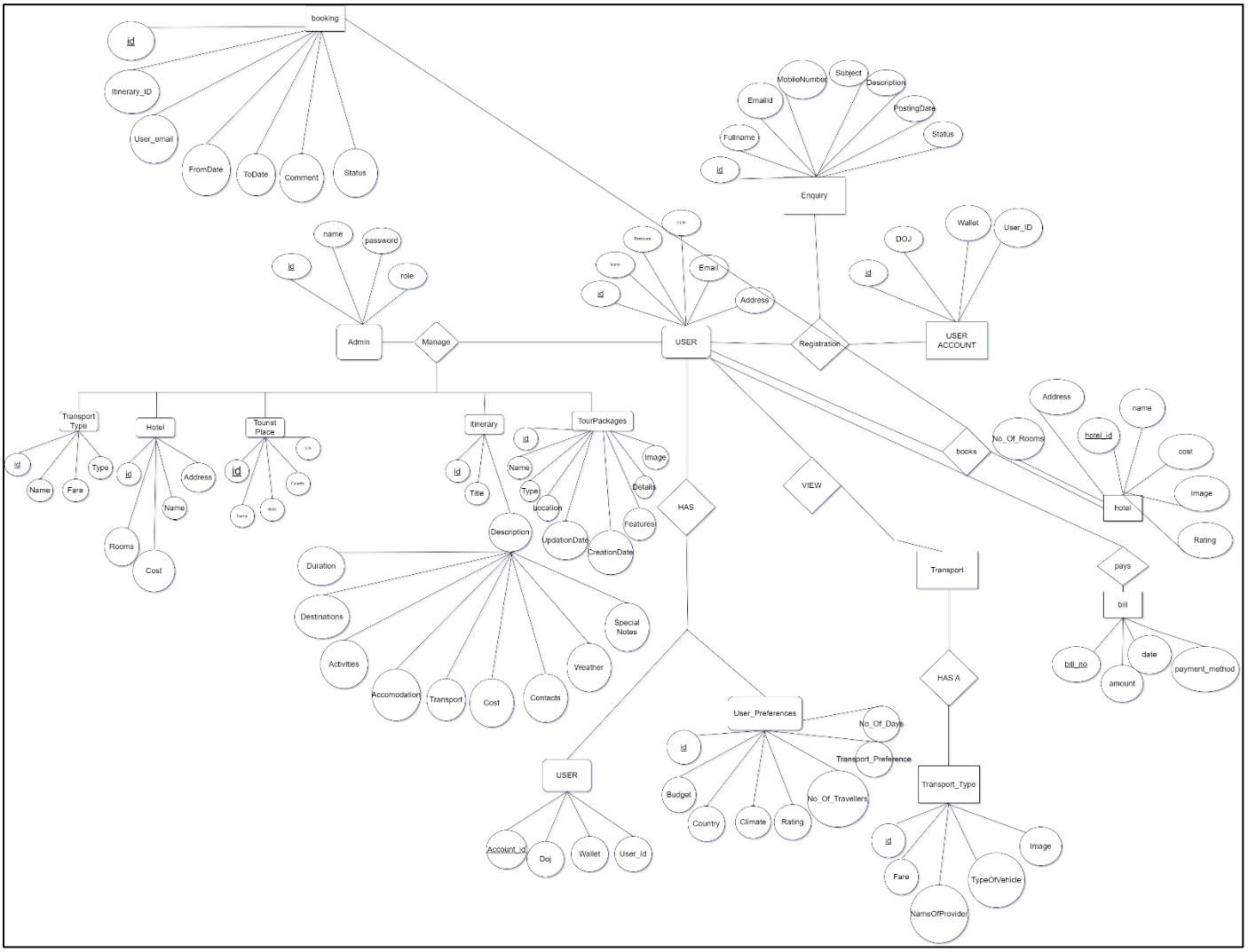


Figure 1.4 Revised and Normalised ER Diagram

DATABASE DESIGN, DATA DICTIONARY AND QUERY LANGUAGE

Schema Design :

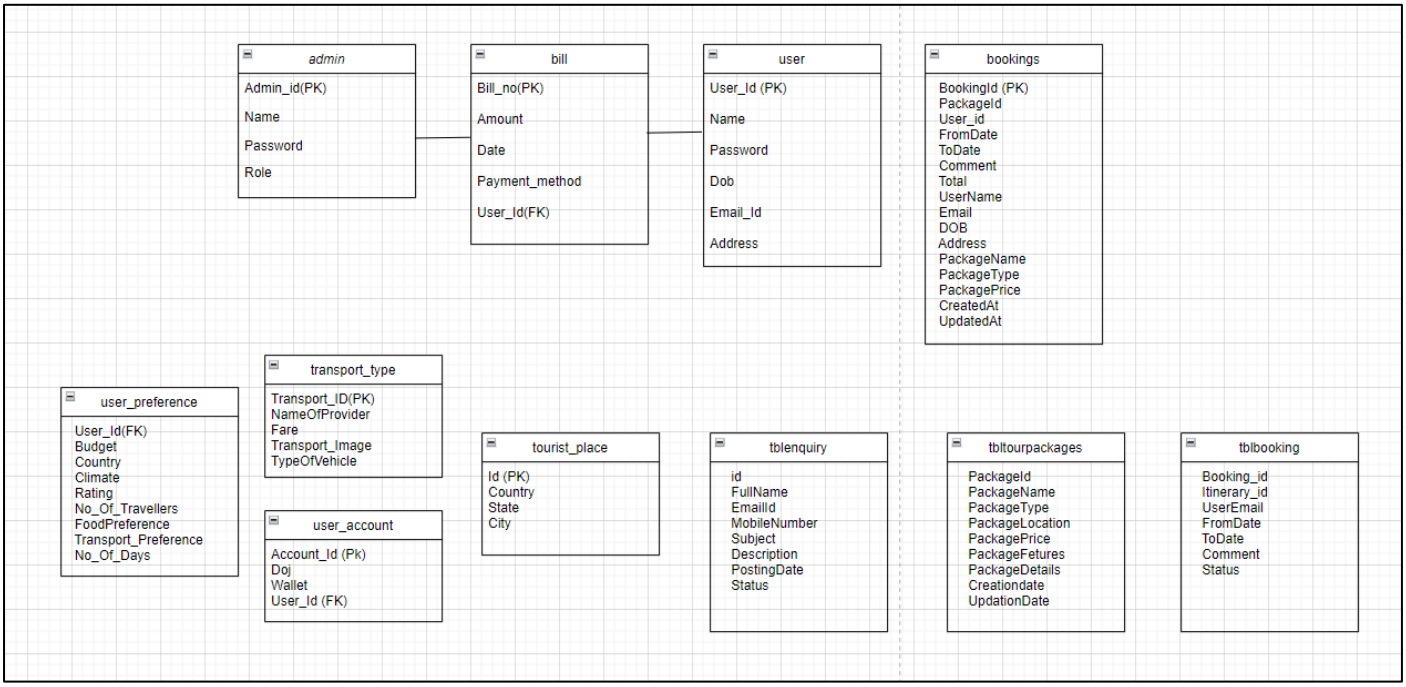


Figure 2.1 UML Diagram

```sql
-- Table: admin
CREATE TABLE admin (
    Admin_id INT PRIMARY KEY,
    Name VARCHAR(255) NOT NULL,
    Password VARCHAR(255) NOT NULL,
    Role VARCHAR(50) NOT NULL
);

-- Table: user
CREATE TABLE user (
    User_Id INT PRIMARY KEY,
    Name VARCHAR(255) NOT NULL,
    Password VARCHAR(255) NOT NULL,
    Dob DATE NOT NULL,
    Email_Id VARCHAR(255) NOT NULL,
    Address TEXT NOT NULL
);

-- Table: bill
CREATE TABLE bill (
    Bill_no INT PRIMARY KEY,
    Amount DECIMAL(10, 2) NOT NULL,
    Date DATE NOT NULL,
    Payment_method VARCHAR(50) NOT NULL,
    User_Id INT,
    FOREIGN KEY (User_Id) REFERENCES user(User_Id)
);
```

```sql
-- Table: bookings
CREATE TABLE bookings (
    BookingId INT PRIMARY KEY,
    PackageId INT NOT NULL,
    User_id INT NOT NULL,
    FromDate DATE NOT NULL,
    ToDate DATE NOT NULL,
    Comment TEXT,
    Total DECIMAL(10, 2) NOT NULL,
    UserName VARCHAR(255) NOT NULL,
    Email VARCHAR(255) NOT NULL,
    DOB DATE NOT NULL,
    Address TEXT NOT NULL,
    PackageName VARCHAR(255) NOT NULL,
    PackageType VARCHAR(255) NOT NULL,
    PackagePrice DECIMAL(10, 2) NOT NULL,
    CreatedAt TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,
    UpdatedAt TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
    FOREIGN KEY (User_id) REFERENCES user(User_Id)
);

-- Table: customer_view
CREATE TABLE customer_view (
    Itinerary_id INT,
    Title VARCHAR(255),
    Budget DECIMAL(10, 2),
    Country VARCHAR(255),
    State VARCHAR(255),
    City VARCHAR(255),
    Itinerary_Rating INT,
    No_Of_Travellers INT,
    FoodPreference VARCHAR(255),
    Transport_Id_Itinerary INT,
    Hotel_id INT,
    Date_Of_Travel DATE,
    ItineraryImage VARCHAR(255),
    Tourist_Place_Country VARCHAR(255),
    Tourist_Place_State VARCHAR(255),
    Tourist_Place_City VARCHAR(255),
    Transport_Id INT,
    Transport_Provider VARCHAR(255),
    Transport_Fare DECIMAL(10, 2),
    Transport_Type VARCHAR(255),
    Hotel_Name VARCHAR(255),
    Hotel_No_Of_Rooms INT,
    Hotel_Cost DECIMAL(10, 2),
    Hotel_Address TEXT,
    Hotel_Rating INT
);

-- Table: hotel
CREATE TABLE hotel (
    Hotel_id INT PRIMARY KEY,
    Name VARCHAR(255) NOT NULL,
    No_Of_Rooms INT NOT NULL,
    Cost DECIMAL(10, 2) NOT NULL,
    Address TEXT NOT NULL,
    Rating INT NOT NULL,
    Hotel_Image VARCHAR(255)
);

-- Table: itinerary
```

```sql
CREATE TABLE itinerary (
    Itinerary_id INT PRIMARY KEY,
    Title VARCHAR(255) NOT NULL,
    Budget DECIMAL(10, 2) NOT NULL,
    Country VARCHAR(255) NOT NULL,
    State VARCHAR(255) NOT NULL,
    City VARCHAR(255) NOT NULL,
    Rating INT NOT NULL,
    No_Of_Travellers INT NOT NULL,
    FoodPreference VARCHAR(255) NOT NULL,
    Transport_id INT,
    Hotel_id INT,
    Date_Of_Travel DATE NOT NULL,
    ItineraryImage VARCHAR(255),
    FOREIGN KEY (Transport_id) REFERENCES transport_type(Transport_id),
    FOREIGN KEY (Hotel_id) REFERENCES hotel(Hotel_id)
);

-- Table: tblbooking
CREATE TABLE tblbooking (
    Booking_id INT PRIMARY KEY,
    Itinerary_id INT,
    UserEmail VARCHAR(255) NOT NULL,
    FromDate DATE NOT NULL,
    ToDate DATE NOT NULL,
    Comment TEXT,
    Status VARCHAR(50) NOT NULL,
    FOREIGN KEY (Itinerary_id) REFERENCES itinerary(Itinerary_id)
);

-- Table: tblenquiry
CREATE TABLE tblenquiry (
    id INT PRIMARY KEY,
    FullName VARCHAR(255) NOT NULL,
    EmailId VARCHAR(255) NOT NULL,
    MobileNumber VARCHAR(20) NOT NULL,
    Subject VARCHAR(255) NOT NULL,
    Description TEXT NOT NULL,
    PostingDate TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,
    Status VARCHAR(50) NOT NULL
);

-- Table: tbltourpackages
CREATE TABLE tbltourpackages (
    PackageId INT PRIMARY KEY,
    PackageName VARCHAR(255) NOT NULL,
    PackageType VARCHAR(255) NOT NULL,
    PackageLocation VARCHAR(255) NOT NULL,
    PackagePrice DECIMAL(10, 2) NOT NULL,
    PackageFetures TEXT NOT NULL,
    PackageDetails TEXT NOT NULL,
    PackageImage VARCHAR(255),
    Creationdate TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,
    UpdationDate TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP
);

-- Table: tourist_places
CREATE TABLE tourist_places (
    Id INT PRIMARY KEY,
    Country VARCHAR(255) NOT NULL,
    State VARCHAR(255) NOT NULL,
    City VARCHAR(255) NOT NULL
);
```

```sql
-- Table: transport_type
CREATE TABLE transport_type (
    Transport_id INT PRIMARY KEY,
    NameOfProvider VARCHAR(255) NOT NULL,
    Fare DECIMAL(10, 2) NOT NULL,
    TypeOfVehicle VARCHAR(255) NOT NULL,
    Transport_Image VARCHAR(255)
);

-- Table: user_account
CREATE TABLE user_account (
    Account_Id INT PRIMARY KEY,
    Doj DATE NOT NULL,
    Wallet DECIMAL(10, 2) NOT NULL,
    User_Id INT,
    FOREIGN KEY (User_Id) REFERENCES user(User_Id)
);

-- Table: user_preference
CREATE TABLE user_preference (
    User_Id INT,
    Budget DECIMAL(10, 2),
    Country VARCHAR(255),
    Climate VARCHAR(255),
    Rating INT,
    No_Of_Travellers INT,
    FoodPreference VARCHAR(255),
    Transport_Preference VARCHAR(255),
    No_Of_Days INT,
    FOREIGN KEY (User_Id) REFERENCES user(User_Id)
);
```

Data Dictionary :

#	Name	Datatype	Length/Set	Unsigned	Allow NU...	Zerofill	Default	Comment	Collation	Expression	Virtuali
1	**Admin_id**	**VARCHAR**	**512**	☐	☐	☐	**No default**		**utf8mb4_general_ci**		
2	Name	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
3	Password	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
4	Role	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		

Figure 2.2 Admin table

#	Name	Datatype	Length/Set	Unsigned	Allow NU...	Zerofill	Default	Comment	Collation	Expression
1	**Bill_no**	**VARCHAR**	**512**	☐	☐	☐	**No default**		**utf8mb4_general_ci**	
2	Amount	INT	11	☐	☑	☐	NULL			
3	Date	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci	
4	Payment_met...	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci	
5	User_Id	VARCHAR	512	☐	☐	☐	No default		utf8mb4_general_ci	

Figure 2.3 Bill table

#	Name	Datatype	Length/Set	Unsigned	Allow NU...	Zerofill	Default	Comment	Collation	Expres
1	**BookingId**	**INT**	**11**	☐	☐	☐	**AUTO_INCREM...**			
2	PackageId	INT	11	☐	☑	☐	NULL			
3	User_id	VARCHAR	512	☐	☑	☐	NULL		armscii8_bin	
4	FromDate	DATE		☐	☑	☐	NULL			
5	ToDate	DATE		☐	☑	☐	NULL			
6	Comment	TEXT		☐	☑	☐	NULL		armscii8_bin	
7	Total	INT	11	☐	☑	☐	NULL			
8	UserName	VARCHAR	255	☐	☑	☐	NULL		armscii8_bin	
9	Email	VARCHAR	255	☐	☑	☐	NULL		armscii8_bin	
10	DOB	DATE		☐	☑	☐	NULL			
11	Address	TEXT		☐	☑	☐	NULL		armscii8_bin	
12	PackageName	VARCHAR	255	☐	☑	☐	NULL		armscii8_bin	
13	PackageType	VARCHAR	255	☐	☑	☐	NULL		armscii8_bin	
14	PackagePrice	DECIMAL	10,2	☐	☑	☐	NULL			
15	CreatedAt	TIMESTAMP		☐	☑	☐	current_timestam...			
16	UpdatedAt	TIMESTAMP		☐	☑	☐	current_timestam...			

Figure 2.3 Bookings table

#	Name	Datatype	Length/Set	Unsigned	Allow NU...	Zerofill	Default	Comment	Collation	Expression	Virtuali
1	**Hotel_id**	**VARCHAR**	**512**	☐	☐	☐	**No default**		**utf8mb4_general_ci**		
2	Name	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
3	No_Of_Rooms	INT	11	☐	☑	☐	NULL				
4	Cost	INT	11	☐	☑	☐	NULL				
5	Address	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
6	Rating	DOUBLE		☐	☑	☐	NULL				
7	Hotel_Image	VARCHAR	100	☐	☑	☐	NULL		utf8mb4_general_ci		

Figure 2.4 Hotel table

Columns: Add Remove Up Down

#	Name	Datatype	Length/Set	Unsigned	Allow NU...	Zerofill	Default	Comment	Collation	Expression
1	**Itinerary_id**	**VARCHAR**	**512**	☐	☐	☐	**No default**		**utf8mb4_general_ci**	
2	Title	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci	
3	Budget	INT	11	☐	☑	☐	NULL			
4	Country	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci	
5	State	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci	
6	City	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci	
7	Rating	DOUBLE		☐	☑	☐	NULL			
8	No_Of_Travell...	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci	
9	FoodPreference	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci	
10	Transport_id	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci	
11	Hotel_id	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci	
12	Date_Of_Travel	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci	
13	ItineraryImage	VARCHAR	100	☐	☑	☐	NULL		utf8mb4_general_ci	

Figure 2.5 tblitinerary table

Columns: Add Remove Up Down

#	Name	Datatype	Length/Set	Unsigned	Allow NU...	Zerofill	Default	Comment	Collation	Expression	Virt
1	**id**	**INT**	**11**	☐	☐	☐	**AUTO_INCREM...**				
2	FullName	VARCHAR	100	☐	☑	☐	NULL		latin1_swedish_ci		
3	EmailId	VARCHAR	100	☐	☑	☐	NULL		latin1_swedish_ci		
4	MobileNumber	CHAR	10	☐	☑	☐	NULL		latin1_swedish_ci		
5	Subject	VARCHAR	100	☐	☑	☐	NULL		latin1_swedish_ci		
6	Description	MEDIUMTEXT		☐	☑	☐	NULL		latin1_swedish_ci		
7	PostingDate	TIMESTAMP		☐	☑	☐	current_timestam...				
8	Status	INT	11	☐	☑	☐	NULL				

Figure 2.6 tblenquiry table

#	Name	Datatype	Length/Set	Unsigned	Allow NU...	Zerofill	Default	Comment	Collation	Expression	Virt
1	**PackageId**	**INT**	**11**	☐	☐	☐	**AUTO_INCREM...**				
2	PackageName	VARCHAR	200	☐	☑	☐	NULL		latin1_swedish_ci		
3	PackageType	VARCHAR	150	☐	☑	☐	NULL		latin1_swedish_ci		
4	PackageLocati...	VARCHAR	100	☐	☑	☐	NULL		latin1_swedish_ci		
5	PackagePrice	INT	11	☐	☑	☐	NULL				
6	PackageFetures	VARCHAR	255	☐	☑	☐	NULL		latin1_swedish_ci		
7	PackageDetails	MEDIUMTEXT		☐	☑	☐	NULL		latin1_swedish_ci		
8	PackageImage	VARCHAR	100	☐	☑	☐	NULL		latin1_swedish_ci		
9	Creationdate	TIMESTAMP		☐	☑	☐	current_timestam...				
10	UpdationDate	TIMESTAMP		☐	☑	☐	NULL ON UPDAT...				

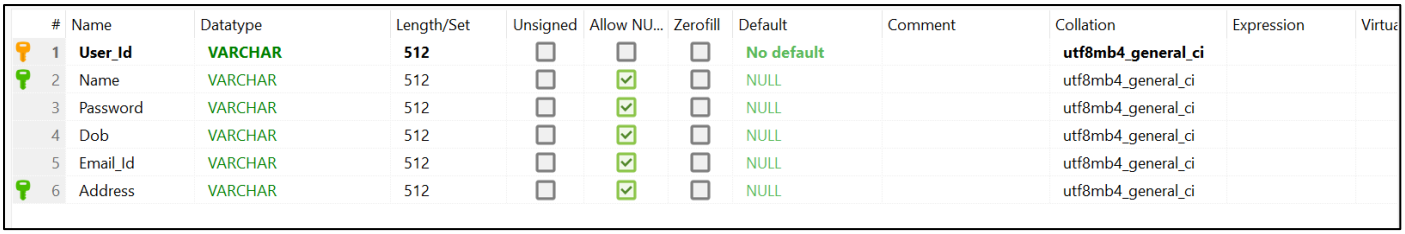
Figure 2.7 tbltourpackages table

#	Name	Datatype	Length/Set	Unsigned	Allow NU...	Zerofill	Default	Comment	Collation	Expression	Vi
1	**Id**	**VARCHAR**	**512**	☐	☐	☐	**No default**		**utf8mb4_general_ci**		
2	Country	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
3	State	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
4	City	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		

Figure 2.8 Tourist_places table

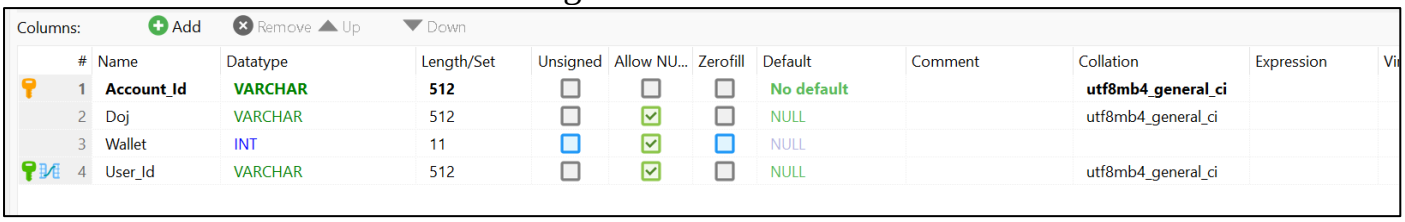
#	Name	Datatype	Length/Set	Unsigned	Allow NU...	Zerofill	Default	Comment	Collation	Expression	Virtu
1	**Transport_id**	**VARCHAR**	**512**	☐	☐	☐	**No default**		**utf8mb4_general_ci**		
2	NameOfProvi...	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
3	Fare	DOUBLE		☐	☑	☐	NULL				
4	TypeOfVehicle	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
5	Transport_Ima...	VARCHAR	100	☐	☑	☐	NULL		utf8mb4_general_ci		

Figure 2.9 Tansport_type table



#	Name	Datatype	Length/Set	Unsigned	Allow NU...	Zerofill	Default	Comment	Collation	Expression	Virtua
1	**User_Id**	**VARCHAR**	**512**	☐	☐	☐	**No default**		**utf8mb4_general_ci**		
2	Name	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
3	Password	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
4	Dob	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
5	Email_Id	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
6	Address	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		

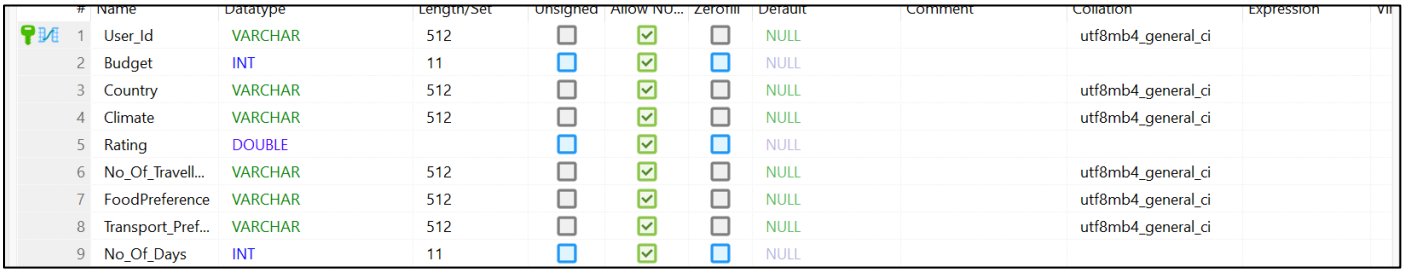
Figure 2.10 User table



Columns: Add Remove Up Down

#	Name	Datatype	Length/Set	Unsigned	Allow NU...	Zerofill	Default	Comment	Collation	Expression	Vi
1	**Account_Id**	**VARCHAR**	**512**	☐	☐	☐	**No default**		**utf8mb4_general_ci**		
2	Doj	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
3	Wallet	INT	11	☐	☑	☐	NULL				
4	User_Id	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		

Figure 2.11 User_account table



#	Name	Datatype	Length/Set	Unsigned	Allow NU...	Zerofill	Default	Comment	Collation	Expression	Vi
1	User_Id	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
2	Budget	INT	11	☐	☑	☐	NULL				
3	Country	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
4	Climate	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
5	Rating	DOUBLE		☐	☑	☐	NULL				
6	No_Of_Travell...	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
7	FoodPreference	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
8	Transport_Pref...	VARCHAR	512	☐	☑	☐	NULL		utf8mb4_general_ci		
9	No_Of_Days	INT	11	☐	☑	☐	NULL				

Figure 2.12 User_preference table

LIST OF FOREIGN KEYS

bill(User_Id) references user(User_Id)
bookings(User_id) references user(User_Id)
bookings(PackageId) references tbltourpackages(PackageId)
customer_view.Itinerary_id references itinerary(Itinerary_id)
customer_view.Transport_Id_Itinerary references transport_type(Transport_id)
customer_view.Hotel_id references hotel(Hotel_id)
customer_view.Transport_Id references transport_type(Transport_id)
customer_view.PackageId references tbltourpackages(PackageId)
hotel.Hotel_id references customer_view.Hotel_id
itinerary.Transport_id references transport_type(Transport_id)
itinerary.Hotel_id references hotel(Hotel_id)
tblbooking.Itinerary_id references itinerary(Itinerary_id)
user_account(User_Id) references user(User_Id)
user_preference(User_Id) references user(User_Id)

DDL(Data Definition Language) Theory:

DDL or Data Definition Language actually consists of the SQL commands that can be used to define the database schema. It simply deals with descriptions of the database schema and is used to create and modify the structure of database objects in the database.

DDL is a set of SQL commands used to create, modify, and delete database structures but not data. These commands are normally not used by a general user, who should be accessing the database via an application.

Here's an overview of SQL-DDL:

1. **CREATE**: The `CREATE` statement is used to create new database objects such as tables, views, indexes, and constraints. It specifies the name of the object being created and its attributes, including data types, sizes, and constraints.

2. **ALTER**: The `ALTER` statement modifies existing database objects, allowing users to add, modify, or drop columns, constraints, or indexes from a table. It is also used to rename objects or change their data type.

3. **DROP**: The `DROP` statement removes existing database objects such as tables, views, indexes, or constraints from the database. It permanently deletes the specified object and its associated data.

4. **Constraints**: Constraints are rules enforced on the data in a database to maintain data integrity and consistency. SQL-DDL supports various types of constraints, including:
    - Primary Key Constraint: Ensures each row in a table is uniquely identified.
    - Foreign Key Constraint: Enforces referential integrity between two related tables.
    - Unique Constraint: Ensures that values in a column or a set of columns are unique.
    - Check Constraint: Limits the values that can be inserted into a column based on a specified condition.
    - Not Null Constraint: Ensures that a column cannot contain null values.

5. **Indexes**: Indexes are database objects used to speed up data retrieval by providing quick access to rows in a table. SQL-DDL allows the creation of indexes on one or more columns to improve query performance.

6. **Views**: Views are virtual tables generated by a query. They can be used to simplify complex queries, restrict access to certain columns, or provide a customized view of the data.

7. **Transactions**: SQL-DDL statements can be included within transactions, allowing multiple DDL operations to be grouped together as a single unit of work. Transactions ensure the atomicity, consistency, isolation, and durability (ACID properties) of database operations.

Overall, SQL-DDL is essential for designing and managing the structure of a relational database, ensuring data integrity, and optimizing database performance.

SQL-DDL Queries Used:

```sql
CREATE TABLE admin
(
    Admin_id    VARCHAR(512),
    Name    VARCHAR(512),
    Password    VARCHAR(512),
    Role    VARCHAR(512)
);

INSERT INTO admin (Admin_id, Name, Password, Role) VALUES
    ('A1001', 'Ravi Kumar', 'h3L#Z$p!@', 'Owner'),
    ('A1002', 'Priya Patel', 'y%2&nJ@9!', 'Manager'),
    ('A1003', 'Amit Singh', '$e*4Xb8#Z', 'Guide'),
    ('A1004', 'Deepika Sharma', 'Q7^T@g*1K', 'Owner'),
    ('A1005', 'Rajesh Gupta', '5@hY*o#mP', 'Manager'),
    ('A1006', 'Neha Khan', '8k$Q@jPw!', 'Guide'),
    ('A1007', 'Vikram Malhotra', 'w&3$%kS1J', 'Owner'),
    ('A1008', 'Anjali Desai', '6R*t#xG9@', 'Manager'),
    ('A1009', 'Sandeep Verma', 'b2!mP8Lx&', 'Guide'),
    ('A1010', 'Sunita Reddy', 'y$F&5u@4m', 'Owner'),
    ('A1011', 'Rahul Iyer', 'P^4uK&w8#', 'Manager'),
    ('A1012', 'Pooja Choudhury', '9L!s$zN7#', 'Guide'),
    ('A1013', 'Arun Khanna', '2@B8w*3%q', 'Owner'),
    ('A1014', 'Shilpa Joshi', 'u@1H9V!s%', 'Manager'),
    ('A1015', 'Manoj Kapoor', '5T@n6%y#J', 'Guide'),
    ('A1016', 'Sneha Sharma', '#9x@7g4P!', 'Owner'),
    ('A1017', 'Rajendra Prasad', 'p6Q&wN1!%', 'Manager'),
    ('A1018', 'Nisha Singh', 'K$8h!q*4T', 'Guide'),
    ('A1019', 'Kishan Patel', '#3S@jW6x!', 'Owner'),
    ('A1020', 'Swati Menon', '@1z*Y#6sJ', 'Manager'),
    ('A1021', 'Arjun Deshpande', 't$J7H&m3@', 'Guide'),
    ('A1022', 'Anita Chatterjee', 'v4X#n%6K@', 'Owner'),
    ('A1023', 'Vivek Rastogi', '&y5r@K8J!', 'Manager'),
    ('A1024', 'Ananya Das', '8L@k4%wD&', 'Guide'),
    ('A1025', 'Suresh Tiwari', 'u8#p2K@5m', 'Owner'),
    ('A1026', 'Meena Singh', '5H@p8zX2k', 'Manager'),
    ('A1027', 'Harish Sharma', 'p&L@8b3n%', 'Guide'),
    ('A1028', 'Geeta Patel', '#4U@n3z%w', 'Owner'),
    ('A1029', 'Alok Dubey', 'q7V#n9z*W', 'Manager'),
    ('A1030', 'Kavita Shah', 'e&4Y8j@1X', 'Guide'),
    ('A1031', 'Anand Joshi', '3F@z!5y6x', 'Owner'),
    ('A1032', 'Madhuri Gupta', '9U@z$7y1%', 'Manager'),
    ('A1033', 'Nitin Rao', '7@v!mK2W%', 'Guide'),
    ('A1034', 'Pallavi Mohan', '4F@x8L!7Y', 'Owner'),
    ('A1035', 'Ganesh Iyer', '#8O@f5r1K', 'Manager'),
    ('A1036', 'Sarita Sharma', 'y6@p8s%b#', 'Guide'),
    ('A1037', 'Prakash Patel', '%3k@9q2N*', 'Owner'),
    ('A1038', 'Jyoti Mishra', '5X@y4K!v3', 'Manager'),
    ('A1039', 'Kunal Khurana', '8T@m4K&p!', 'Guide'),
    ('A1040', 'Sarika Singh', '6Z#n@2g7P', 'Owner'),
    ('A1041', 'Aditya Mehra', '2G@m!4y7J', 'Manager'),
    ('A1042', 'Shubha Agarwal', '9N#m5q6K@', 'Guide'),
    ('A1043', 'Rahul Tiwari', '3T@g9n8Q$', 'Owner'),
    ('A1044', 'Neelam Rao', '8M%r@5s9Z', 'Manager'),
    ('A1045', 'Sanjay Gupta', '5P%w!9x8H', 'Guide'),
    ('A1046', 'Juhi Patel', 'v$6t@8j3Q', 'Owner'),
    ('A1047', 'Amar Singh', '#3X@v9m7G', 'Manager'),
    ('A1048', 'Suman Sharma', '6H@x3L&4Z', 'Guide'),
    ('A1049', 'Deepak Verma', '9K@q3m2Jv', 'Owner'),
    ('A1050', 'Rajni Kapoor', '4R@m5J&8W', 'Manager');
```

```sql
CREATE TABLE bill
(
    Bill_no VARCHAR(512),
    Amount  INT,
    Date    VARCHAR(512),
    Payment_method  VARCHAR(512),
    User_Id VARCHAR(512)
);
```

```sql
INSERT INTO bill (Bill_no, Amount, Date, Payment_method, User_Id) VALUES
    ('BL1001', '5000', '15-05-24', 'Credit Card', 'USR1001'),
    ('BL1002', '7000', '20-06-24', 'Debit Card', 'USR1002'),
    ('BL1003', '6000', '10-07-24', 'Net Banking', 'USR1003'),
    ('BL1004', '8000', '05-08-24', 'PayPal', 'USR1004'),
    ('BL1005', '6500', '15-09-24', 'Cash', 'USR1005'),
    ('BL1006', '7500', '20-10-24', 'Credit Card', 'USR1006'),
    ('BL1007', '8500', '10-11-24', 'Debit Card', 'USR1007'),
    ('BL1008', '7000', '05-12-24', 'Net Banking', 'USR1008'),
    ('BL1009', '9000', '20-01-25', 'PayPal', 'USR1009'),
    ('BL1010', '8000', '15-02-25', 'Cash', 'USR1010'),
    ('BL1011', '6000', '10-03-25', 'Credit Card', 'USR1011'),
    ('BL1012', '10000', '05-04-25', 'Debit Card', 'USR1012'),
    ('BL1013', '7500', '20-05-25', 'Net Banking', 'USR1013'),
    ('BL1014', '9500', '10-06-25', 'PayPal', 'USR1014'),
    ('BL1015', '8000', '05-07-25', 'Cash', 'USR1015'),
    ('BL1016', '6500', '15-08-25', 'Credit Card', 'USR1016'),
    ('BL1017', '8500', '20-09-25', 'Debit Card', 'USR1017'),
    ('BL1018', '7000', '10-10-25', 'Net Banking', 'USR1018'),
    ('BL1019', '9000', '05-11-25', 'PayPal', 'USR1019'),
    ('BL1020', '7500', '20-12-25', 'Cash', 'USR1020'),
    ('BL1021', '7000', '15-01-26', 'Credit Card', 'USR1021'),
    ('BL1022', '9500', '10-02-26', 'Debit Card', 'USR1022'),
    ('BL1023', '8500', '05-03-26', 'Net Banking', 'USR1023'),
    ('BL1024', '8000', '20-04-26', 'PayPal', 'USR1024'),
    ('BL1025', '6000', '10-05-26', 'Cash', 'USR1025'),
    ('BL1026', '9000', '05-06-26', 'Credit Card', 'USR1026'),
    ('BL1027', '7500', '20-07-26', 'Debit Card', 'USR1027'),
    ('BL1028', '8500', '15-08-26', 'Net Banking', 'USR1028'),
    ('BL1029', '7000', '10-09-26', 'PayPal', 'USR1029'),
    ('BL1030', '9500', '05-10-26', 'Cash', 'USR1030'),
    ('BL1031', '8000', '20-11-26', 'Credit Card', 'USR1031'),
    ('BL1032', '7000', '10-12-26', 'Debit Card', 'USR1032'),
    ('BL1033', '8500', '05-01-27', 'Net Banking', 'USR1033'),
    ('BL1034', '7500', '20-02-27', 'PayPal', 'USR1034'),
    ('BL1035', '9000', '15-03-27', 'Cash', 'USR1035'),
    ('BL1036', '8000', '10-04-27', 'Credit Card', 'USR1036'),
    ('BL1037', '6500', '20-05-27', 'Debit Card', 'USR1037'),
    ('BL1038', '7000', '10-06-27', 'Net Banking', 'USR1038'),
    ('BL1039', '9500', '05-07-27', 'PayPal', 'USR1039'),
    ('BL1040', '8500', '20-08-27', 'Cash', 'USR1040'),
    ('BL1041', '7500', '15-09-27', 'Credit Card', 'USR1041'),
    ('BL1042', '8000', '10-10-27', 'Debit Card', 'USR1042'),
    ('BL1043', '7000', '05-11-27', 'Net Banking', 'USR1043'),
    ('BL1044', '9500', '20-12-27', 'PayPal', 'USR1044'),
    ('BL1045', '8500', '15-01-28', 'Cash', 'USR1045'),
    ('BL1046', '8000', '10-02-28', 'Credit Card', 'USR1046'),
    ('BL1047', '7500', '05-03-28', 'Debit Card', 'USR1047'),
    ('BL1048', '9000', '20-04-28', 'Net Banking', 'USR1048'),
    ('BL1049', '7000', '10-05-28', 'PayPal', 'USR1049'),
    ('BL1050', '9500', '05-06-28', 'Cash', 'USR1050');
```

```sql
CREATE TABLE Hotel
(
    Hotel_id    VARCHAR(512),
    Name    VARCHAR(512),
    No_Of_Rooms INT,
    Cost    INT,
    Address VARCHAR(512),
    Rating  DOUBLE
);
```

```sql
INSERT INTO Hotel (Hotel_id, Name, No_Of_Rooms, Cost, Address, Rating) VALUES
    ('H1001', 'Grand Hyatt', '200', '5000', 'Mumbai', '8.5'),
    ('H1002', 'Taj Palace', '150', '6000', 'Delhi', '9'),
    ('H1003', 'Marriott Marquis', '180', '5500', 'Bengaluru', '8.7'),
    ('H1004', 'Hilton', '220', '4800', 'Chennai', '8.2'),
    ('H1005', 'InterContinental', '190', '5200', 'Kolkata', '8.4'),
    ('H1006', 'The Oberoi', '210', '5100', 'Jaipur', '8.8'),
    ('H1007', 'ITC Grand Chola', '240', '4700', 'Hyderabad', '8.3'),
    ('H1008', 'Leela Palace', '230', '4900', 'Pune', '8.6'),
    ('H1009', 'Radisson Blu', '170', '5700', 'Ahmedabad', '8.1'),
    ('H1010', 'Hyatt Regency', '200', '5400', 'Lucknow', '8.9'),
    ('H1011', 'The Ritz-Carlton', '250', '4600', 'Goa', '8'),
    ('H1012', 'Novotel', '160', '6200', 'Chandigarh', '9.1'),
    ('H1013', 'Four Seasons', '190', '5300', 'Nagpur', '8.7'),
    ('H1014', 'Westin', '210', '5100', 'Indore', '8.4'),
    ('H1015', 'Shangri-La', '180', '5800', 'Varanasi', '8.6'),
    ('H1016', 'Le Meridien', '220', '5000', 'Dehradun', '8.2'),
    ('H1017', 'DoubleTree', '200', '5600', 'Bhopal', '8.5'),
    ('H1018', 'Crowne Plaza', '190', '5900', 'Gurugram', '8.8'),
    ('H1019', 'JW Marriott', '240', '4800', 'Ludhiana', '8.3'),
    ('H1020', 'Trident', '230', '5200', 'Raipur', '8.7'),
    ('H1021', 'The Leela', '170', '5700', 'Vadodara', '8.2'),
    ('H1022', 'Holiday Inn', '200', '5400', 'Ranchi', '8.9'),
    ('H1023', 'Park Hyatt', '250', '4600', 'Visakhapatnam', '8'),
    ('H1024', 'Grand Mercure', '160', '6200', 'Puducherry', '9.1'),
    ('H1025', 'Aloft', '190', '5300', 'Kochi', '8.7'),
    ('H1026', 'Hotel Formule1', '210', '5100', 'Mysuru', '8.4'),
    ('H1027', 'ibis', '180', '5800', 'Thiruvananthapuram', '8.6'),
    ('H1028', 'The Lalit', '220', '5000', 'Bhubaneswar', '8.2'),
    ('H1029', 'Radisson', '200', '5600', 'Aurangabad', '8.5'),
    ('H1030', 'Renaissance', '190', '5900', 'Surat', '8.8'),
    ('H1031', 'ITC Maurya', '230', '5200', 'Patna', '8.7'),
    ('H1032', 'The Westin', '170', '5700', 'Jodhpur', '8.2'),
    ('H1033', 'Taj Bengal', '200', '5400', 'Kanpur', '8.9'),
    ('H1034', 'Le Méridien', '250', '4600', 'Gwalior', '8'),
    ('H1035', 'Hotel Sahara Star', '160', '6200', 'Amritsar', '9.1'),
    ('H1036', 'The Gateway Hotel', '190', '5300', 'Nashik', '8.7'),
    ('H1037', 'Hyatt Pune', '210', '5100', 'Kolhapur', '8.4'),
    ('H1038', 'Hilton Mumbai', '180', '5800', 'Jabalpur', '8.6'),
    ('H1039', 'Taj Lands End', '220', '5000', 'Allahabad', '8.2'),
    ('H1040', 'The St. Regis', '200', '5600', 'Rajkot', '8.5'),
    ('H1041', 'Le Méridien', '190', '5900', 'Guwahati', '8.8'),
    ('H1042', 'The Ritz-Carlton', '230', '5200', 'Rourkela', '8.7'),
    ('H1043', 'Oberoi Grand', '170', '5700', 'Hisar', '8.2'),
    ('H1044', 'ITC Sonar', '200', '5400', 'Ramgarh', '8.9'),
    ('H1045', 'The Oberoi Cecil', '250', '4600', 'Kharagpur', '8'),
    ('H1046', 'Hotel Trident', '200', '5500', 'Panchkula', '8.4'),
    ('H1047', 'The Lalit Great Eastern', '220', '5200', 'Siliguri', '8.6'),
    ('H1048', 'Crowne Plaza Jaipur Tonk Road', '210', '5300', 'Jaipur', '8.5'),
    ('H1049', 'Hyatt Ahmedabad', '190', '5700', 'Ahmedabad', '8.7'),
    ('H1050', 'Marriott Hotel Kochi', '180', '5800', 'Kochi', '8.9');
```

```sql
CREATE TABLE Itinerary
(
    Itinerary_id    VARCHAR(512),
    Title   VARCHAR(512),
    Budget  INT,
    Country VARCHAR(512),
    State   VARCHAR(512),
    City    VARCHAR(512),
    Rating  DOUBLE,
    No_Of_Travellers    VARCHAR(512),
    FoodPreference  VARCHAR(512),
    Transport_id    VARCHAR(512),
    Hotel_id    VARCHAR(512),
    Date_Of_Travel  VARCHAR(512)
);
```

```sql
INSERT INTO Itinerary (Itinerary_id, Title, Budget, Country, State, City, Rating, No_Of_Travellers, FoodPreference, Transport_id, Hotel_id, Date_Of_Travel) VALUES
    ('IT1001', 'Exploring Mumbai', '5000', 'India', 'Maharashtra', 'Mumbai', '4.2', '2', 'Vegetarian', 'FL1001', 'HT1001', '15-05-24'),
    ('IT1002', 'Sightseeing in Paris', '8000', 'France', 'Île-de-France', 'Paris', '4.5', '1', 'Non-Vegetarian', 'FL1021', 'HT1041', '20-06-24'),
    ('IT1003', 'Weekend Trip to Goa', '6000', 'India', 'Goa', 'Panaji', '4.6', '4', 'Seafood', 'FL1002', 'HT1009', '10-07-24'),
    ('IT1004', 'Business Trip to New York', '10000', 'United States', 'New York', 'New York City', '4.8', '1', 'Non-Vegetarian', 'FL1023', 'HT1051', '05-08-24'),
    ('IT1005', 'Adventure in Tokyo', '7000', 'Japan', 'Tokyo', 'Tokyo', '4.7', '2', 'Vegetarian', 'FL1025', 'HT1024', '15-09-24'),
    ('IT1006', 'Exploring Barcelona', '7500', 'Spain', 'Catalonia', 'Barcelona', '4.4', '2', 'Non-Vegetarian', 'FL1026', 'HT1063', '20-10-24'),
    ('IT1007', 'Holiday in Sydney', '8500', 'Australia', 'New South Wales', 'Sydney', '4.6', '2', 'Seafood', 'FL1031', 'HT1055', '10-11-24'),
    ('IT1008', 'Exploring Bangkok', '7000', 'Thailand', 'Bangkok', 'Bangkok', '4.3', '1', 'Vegetarian', 'FL1038', 'HT1054', '05-12-24'),
    ('IT1009', 'Weekend in Amsterdam', '8000', 'Netherlands', 'North Holland', 'Amsterdam', '4.5', '1', 'Non-Vegetarian', 'FL1039', 'HT1069', '20-01-25'),
    ('IT1010', 'Relaxing in Zurich', '9000', 'Switzerland', 'Zurich', 'Zurich', '4.7', '2', 'Vegetarian', 'FL1040', 'HT1070', '15-02-25'),
    ('IT1011', 'Cultural Tour in Delhi', '5500', 'India', 'Delhi', 'New Delhi', '4.4', '3', 'Vegetarian', 'FL1003', 'HT1002', '10-03-25'),
    ('IT1012', 'Skiing in Oslo', '10000', 'Norway', 'Oslo', 'Oslo', '4.8', '2', 'Non-Vegetarian', 'FL1047', 'HT1047', '05-04-25'),
    ('IT1013', 'Hiking in Helsinki', '7500', 'Finland', 'Uusimaa', 'Helsinki', '4.6', '1', 'Vegan', 'FL1048', 'HT1048', '20-05-25'),
    ('IT1014', 'Exploring Dubai', '9000', 'United Arab Emirates', 'Dubai', 'Dubai', '4.5', '2', 'Non-Vegetarian', 'FL1036', 'HT1036', '10-06-25'),
    ('IT1015', 'Sightseeing in Rome', '8000', 'Italy', 'Lazio', 'Rome', '4.7', '1', 'Non-Vegetarian', 'FL1024', 'HT1056', '05-07-25'),
    ('IT1016', 'Weekend Trip to Bengaluru', '6000', 'India', 'Karnataka', 'Bangalore', '4.3', '4', 'Seafood', 'FL1004', 'HT1003', '15-08-25'),
    ('IT1017', 'Exploring Istanbul', '8500', 'Turkey', 'Istanbul', 'Istanbul', '4.4', '2', 'Vegetarian', 'FL1029', 'HT1029', '20-09-25'),
    ('IT1018', 'Adventure in Seoul', '7500', 'South Korea', 'Seoul', 'Seoul', '4.6', '1', 'Non-Vegetarian', 'FL1037', 'HT1037', '10-10-25'),
    ('IT1019', 'Holiday in Barcelona', '9000', 'Spain', 'Catalonia', 'Barcelona', '4.7', '2', 'Vegetarian', 'FL1026', 'HT1063', '05-11-25'),
    ('IT1020', 'Cultural Tour in Paris', '6000', 'France', 'Île-de-France', 'Paris', '4.5', '3', 'Vegan', 'FL1021', 'HT1041', '20-12-25'),
    ('IT1021', 'Exploring Moscow', '8500', 'Russia', 'Moscow', 'Moscow', '4.6', '2', 'Non-Vegetarian', 'FL1028', 'HT1028', '15-01-26'),
    ('IT1022', 'Weekend Trip to Goa', '6500', 'India', 'Goa', 'Panaji', '4.4', '4', 'Vegetarian', 'FL1002', 'HT1009', '10-02-26'),
    ('IT1023', 'Skiing in Stockholm', '10000', 'Sweden', 'Stockholm', 'Stockholm', '4.8', '2', 'Non-Vegetarian', 'FL1044', 'HT1044', '05-03-26'),
    ('IT1024', 'Relaxing in Dubai', '9500', 'United Arab Emirates', 'Dubai', 'Dubai', '4.7', '2', 'Vegan', 'FL1036', 'HT1036', '20-04-26'),
    ('IT1025', 'Hiking in Auckland', '8000', 'New Zealand', 'Auckland', 'Auckland', '4.5', '1', 'Vegetarian', 'FL1045', 'HT1045', '10-05-26'),
    ('IT1026', 'Cultural Tour in Bangkok', '6500', 'Thailand', 'Bangkok', 'Bangkok', '4.3', '3', 'Non-Vegetarian', 'FL1038', 'HT1054', '05-06-26'),
    ('IT1027', 'Weekend in Amsterdam', '8500', 'Netherlands', 'North Holland', 'Amsterdam', '4.6', '1', 'Vegetarian', 'FL1039', 'HT1069', '20-07-26'),
    ('IT1028', 'Adventure in Barcelona', '9000', 'Spain', 'Catalonia', 'Barcelona', '4.7', '2', 'Seafood', 'FL1026', 'HT1063', '15-08-26'),
    ('IT1029', 'Holiday in Tokyo', '7500', 'Japan', 'Tokyo', 'Tokyo', '4.4', '1', 'Non-Vegetarian', 'FL1025', 'HT1024', '10-09-26'),
    ('IT1030', 'Sightseeing in London', '8000', 'United Kingdom', 'England', 'London', '4.6', '1', 'Vegetarian', 'FL1023', 'HT1052', '05-10-26'),
    ('IT1031', 'Exploring Paris', '8500', 'France', 'Île-de-France', 'Paris', '4.7', '2', 'Vegan', 'FL1021', 'HT1041', '20-11-26'),
    ('IT1032', 'Weekend Trip to Moscow', '6500', 'Russia', 'Moscow', 'Moscow', '4.3', '4', 'Non-Vegetarian', 'FL1028', 'HT1028', '10-12-26'),
    ('IT1033', 'Cultural Tour in Rome', '9000', 'Italy', 'Lazio', 'Rome', '4.5', '3', 'Non-Vegetarian', 'FL1024', 'HT1056', '05-01-27'),
    ('IT1034', 'Adventure in Istanbul', '7500', 'Turkey', 'Istanbul', 'Istanbul', '4.6', '1', 'Vegetarian', 'FL1029', 'HT1029', '20-02-27'),
    ('IT1035', 'Holiday in Seoul', '8000', 'South Korea', 'Seoul', 'Seoul', '4.4', '2', 'Vegan', 'FL1037', 'HT1037', '15-03-27'),
    ('IT1036', 'Skiing in Stockholm', '10000', 'Sweden', 'Stockholm', 'Stockholm', '4.8', '2', 'Non-Vegetarian', 'FL1044', 'HT1044', '10-04-27'),
    ('IT1037', 'Relaxing in Dubai', '9500', 'United Arab Emirates', 'Dubai', 'Dubai', '4.7', '2', 'Vegan', 'FL1036', 'HT1036', '20-05-27'),
    ('IT1038', 'Hiking in Auckland', '8000', 'New Zealand', 'Auckland', 'Auckland', '4.5', '1', 'Vegetarian', 'FL1045', 'HT1045', '10-06-27'),
    ('IT1039', 'Cultural Tour in Bangkok', '6500', 'Thailand', 'Bangkok', 'Bangkok', '4.3', '3', 'Non-Vegetarian', 'FL1038', 'HT1054', '05-07-27'),
    ('IT1040', 'Weekend in Amsterdam', '8500', 'Netherlands', 'North Holland', 'Amsterdam', '4.6', '1', 'Vegetarian', 'FL1039', 'HT1069', '20-08-27'),
    ('IT1041', 'Adventure in Paris', '7500', 'France', 'Île-de-France', 'Paris', '4.4', '2', 'Non-Vegetarian', 'FL1021', 'HT1041', '15-09-27'),
    ('IT1042', 'Exploring Los Angeles', '8000', 'United States', 'California', 'Los Angeles', '4.6', '1', 'Vegan', 'FL1022', 'HT1052', '10-10-27'),
    ('IT1043', 'Holiday in London', '8500', 'United Kingdom', 'England', 'London', '4.7', '2', 'Vegetarian', 'FL1023', 'HT1052', '05-11-27'),
    ('IT1044', 'Weekend Trip to Rome', '6500', 'Italy', 'Lazio', 'Rome', '4.3', '3', 'Non-Vegetarian', 'FL1024', 'HT1056', '20-12-27'),
    ('IT1045', 'Cultural Tour in Tokyo', '9000', 'Japan', 'Tokyo', 'Tokyo', '4.5', '2', 'Vegan', 'FL1025', 'HT1024', '15-01-28'),
    ('IT1046', 'Sightseeing in Barcelona', '7500', 'Spain', 'Catalonia', 'Barcelona', '4.6', '1', 'Vegetarian', 'FL1026', 'HT1063', '10-02-28'),
    ('IT1047', 'Adventure in São Paulo', '8000', 'Brazil', 'São Paulo', 'São Paulo', '4.7', '2', 'Non-Vegetarian', 'FL1027', 'HT1027', '05-03-28'),
    ('IT1048', 'Weekend in Moscow', '6500', 'Russia', 'Moscow', 'Moscow', '4.3', '3', 'Vegetarian', 'FL1028', 'HT1028', '20-04-28'),
    ('IT1049', 'Holiday in Dubai', '9500', 'United Arab Emirates', 'Dubai', 'Dubai', '4.6', '2', 'Non-Vegetarian', 'FL1036', 'HT1036', '10-05-28'),
    ('IT1050', 'Exploring Amsterdam', '8500', 'Netherlands', 'North Holland', 'Amsterdam', '4.5', '1', 'Vegetarian', 'FL1039', 'HT1069', '05-06-28');
```

```sql
CREATE TABLE Tourist_Places
(
    Id  VARCHAR(512),
    Country VARCHAR(512),
    State   VARCHAR(512),
    City    VARCHAR(512)
);
```

```sql
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1001', 'India', 'Maharashtra', 'Mumbai');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1002', 'India', 'Delhi', 'New Delhi');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1003', 'India', 'Karnataka', 'Bangalore');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1004', 'India', 'Tamil Nadu', 'Chennai');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1005', 'India', 'West Bengal', 'Kolkata');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1006', 'India', 'Rajasthan', 'Jaipur');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1007', 'India', 'Telangana', 'Hyderabad');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1008', 'India', 'Uttar Pradesh', 'Lucknow');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1009', 'India', 'Goa', 'Panaji');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1010', 'India', 'Himachal Pradesh', 'Shimla');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1011', 'India', 'Gujarat', 'Ahmedabad');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1012', 'India', 'Punjab', 'Chandigarh');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1013', 'India', 'Kerala', 'Thiruvananthapuram');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1014', 'India', 'Assam', 'Dispur');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1015', 'India', 'Uttarakhand', 'Dehradun');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1016', 'India', 'Bihar', 'Patna');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1017', 'India', 'Haryana', 'Chandigarh');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1018', 'India', 'Odisha', 'Bhubaneswar');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1019', 'India', 'Chhattisgarh', 'Raipur');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1020', 'India', 'Jharkhand', 'Ranchi');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1021', 'France', 'Île-de-France', 'Paris');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1022', 'United States', 'California', 'Los Angeles');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1023', 'United Kingdom', 'England', 'London');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1024', 'Italy', 'Lazio', 'Rome');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1025', 'Japan', 'Tokyo', 'Tokyo');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1026', 'Spain', 'Catalonia', 'Barcelona');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1027', 'Brazil', 'São Paulo', 'São Paulo');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1028', 'Russia', 'Moscow', 'Moscow');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1029', 'Turkey', 'Istanbul', 'Istanbul');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1030', 'Malaysia', 'Kuala Lumpur', 'Kuala Lumpur');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1031', 'Australia', 'New South Wales', 'Sydney');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1032', 'Canada', 'Ontario', 'Toronto');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1033', 'China', 'Beijing', 'Beijing');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1034', 'Singapore', 'Central Singapore', 'Singapore');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1035', 'Germany', 'Berlin', 'Berlin');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1036', 'United Arab Emirates', 'Dubai', 'Dubai');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1037', 'South Korea', 'Seoul', 'Seoul');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1038', 'Thailand', 'Bangkok', 'Bangkok');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1039', 'Netherlands', 'North Holland', 'Amsterdam');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1040', 'Switzerland', 'Zurich', 'Zurich');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1041', 'Austria', 'Vienna', 'Vienna');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1042', 'Argentina', 'Buenos Aires', 'Buenos Aires');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1043', 'Denmark', 'Capital Region of Denmark', 'Copenhagen');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1044', 'Sweden', 'Stockholm', 'Stockholm');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1045', 'New Zealand', 'Auckland', 'Auckland');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1046', 'Portugal', 'Lisbon', 'Lisbon');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1047', 'Norway', 'Oslo', 'Oslo');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1048', 'Finland', 'Uusimaa', 'Helsinki');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1049', 'Belgium', 'Brussels-Capital Region', 'Brussels');
INSERT INTO Tourist_Places (Id, Country, State, City) VALUES ('TP1050', 'Ireland', 'Leinster', 'Dublin');
```

```sql
CREATE TABLE Transport_Type
(
    Transport_id    VARCHAR(512),
    NameOfProvider  VARCHAR(512),
    Fare    DOUBLE,
    TypeOfVehicle   VARCHAR(512)
);
```

```sql
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1001', 'Air India', '50000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1002', 'IndiGo', '45000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1003', 'GoAir', '40000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1004', 'SpiceJet', '42000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1005', 'Jet Airways', '55000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1006', 'Vistara', '48000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1007', 'British Airways', '60000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1008', 'Lufthansa', '70000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1009', 'Emirates', '75000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1010', 'Etihad Airways', '68000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1011', 'Qatar Airways', '72000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1012', 'First Flight', '28000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1013', 'Ola', '2500.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1014', 'Uber', '2000.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1015', 'Tata Motors', '3000.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1016', 'Maruti Suzuki', '2800.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1017', 'ZoomCar', '3000.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1018', 'Ford', '3200.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1019', 'Honda', '2700.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1020', 'Kia Motors', '3500.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1021', 'Volvo', '1200.00', 'Bus');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1022', 'KSRTC', '1000.00', 'Bus');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1023', 'BMTC', '800.00', 'Bus');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1024', 'Scania', '1400.00', 'Bus');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1025', 'Toyota', '2900.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1026', 'Nissan', '3100.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1027', 'Hyundai', '2600.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1028', 'Mercedes-Benz', '4000.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1029', 'Metro', '500.00', 'Train');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1030', 'Indian Railways', '1000.00', 'Train');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1031', 'Air India', '50000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1032', 'IndiGo', '45000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1033', 'GoAir', '40000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1034', 'SpiceJet', '42000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1035', 'Jet Airways', '55000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1036', 'Vistara', '48000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1037', 'British Airways', '60000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1038', 'Lufthansa', '70000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1039', 'Emirates', '75000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1040', 'Etihad Airways', '68000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1041', 'Qatar Airways', '72000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1042', 'First Flight', '28000.00', 'Flight');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1043', 'Ola', '2500.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1044', 'Uber', '2000.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1045', 'Tata Motors', '3000.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1046', 'Maruti Suzuki', '2800.00', 'Car');
```

```sql
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1047', 'ZoomCar', '3000.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1048', 'Ford', '3200.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1049', 'Honda', '2700.00', 'Car');
INSERT INTO Transport_Type (Transport_id, NameOfProvider, Fare, TypeOfVehicle) VALUES ('T1050', 'Kia Motors', '3500.00', 'Car');
```

```sql
CREATE TABLE User
(
    User_Id VARCHAR(512),
    Name    VARCHAR(512),
    Password    VARCHAR(512),
    Dob VARCHAR(512),
    Email_Id    VARCHAR(512),
    Address VARCHAR(512)
);
```

```sql
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1001', 'Ravi Kumar', 'h3L#Z$p!@', '15-05-90', 'ravikumar@example.com', 'Mumbai');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1002', 'Priya Patel', 'y%2&nJ@9!', '25-10-88', 'priyapatel@example.com', 'New Delhi');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1003', 'Amit Singh', '$e*4Xb8#Z', '08-03-95', 'amitsingh@example.com', 'Bangalore');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1004', 'Deepika Sharma', 'Q7^T@g*1K', '30-12-87', 'deepikasharma@example.com', 'Kolkata');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1005', 'Rajesh Gupta', '5@hY*o#mP', '18-08-90', 'rajeshgupta@example.com', 'Chennai');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1006', 'Neha Khan', '8k$Q@jPw!', '20-07-92', 'nehakhan@example.com', 'Hyderabad');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1007', 'Vikram Malhotra', 'w&3$%kS1J', '12-06-85', 'vikrammalhotra@example.com', 'Pune');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1008', 'Anjali Desai', '6R*t#xG9@', '05-09-98', 'anjalidesai@example.com', 'Ahmedabad');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1009', 'Sandeep Verma', 'b2!mP8Lx&', '28-04-93', 'sandeepverma@example.com', 'Jaipur');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1010', 'Sunita Reddy', 'y$F&5u@4m', '02-11-96', 'sunitareddy@example.com', 'Lucknow');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1011', 'Rahul Iyer', 'P^4uK&w8#', '14-02-87', 'rahuliyer@example.com', 'Kanpur');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1012', 'Pooja Choudhury', '9L!s$zN7#', '30-06-89', 'poojachoudhury@example.com', 'Nagpur');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1013', 'Arun Khanna', '2@B8w*3%q', '22-09-86', 'arunkhanna@example.com', 'Indore');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1014', 'Shilpa Joshi', 'u@1H9V!s%', '17-03-91', 'shilpajoshi@example.com', 'Thane');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1015', 'Manoj Kapoor', '5T@n6%y#J', '04-07-94', 'manojkapoor@example.com', 'Bhopal');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1016', 'Sneha Sharma', '#9x@7g4P!', '28-11-88', 'snehasharma@example.com', 'Visakhapatnam');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1017', 'Rajendra Prasad', 'p6Q&wN1!%', '12-12-79', 'rajendraprasad@example.com', 'Patna');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1018', 'Nisha Singh', 'nisha1997', '09-05-97', 'nishasingh@example.com', 'Ludhiana');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1019', 'Kishan Patel', 'kishan@1991', '03-08-91', 'kishanpatel@example.com', 'Agra');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1020', 'Swati Menon', 'swati#93', '17-10-93', 'swatimenon@example.com', 'Nashik');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1021', 'Arjun Deshpande', 'arjun@1998', '21-01-98', 'arjundeshpande@example.com', 'Meerut');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1022', 'Anita Chatterjee', 'anita@85', '15-04-85', 'anitachatterjee@example.com', 'Varanasi');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1023', 'Vivek Rastogi', '&y5n@K8J!', '27-09-92', 'vivekrastogi@example.com', 'Allahabad');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1024', 'Ananya Das', 'ananya1989', '31-12-89', 'ananyadas@example.com', 'Jabalpur');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1025', 'Suresh Tiwari', 'suresh@97', '05-02-97', 'sureshtiwari@example.com', 'Ranchi');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1026', 'Meena Singh', 'meenak@2000', '12-06-00', 'meenasingh@example.com', 'Gwalior');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1027', 'Harish Sharma', 'harish_1994', '03-10-94', 'harishsharma@example.com', 'Jodhpur');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1028', 'Geeta Patel', 'geeta78', '27-03-78', 'geetapatel@example.com', 'Raipur');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1029', 'Alok Dubey', 'alok@96', '14-08-96', 'alokdubey@example.com', 'Kota');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1030', 'Kavita Shah', 'kavita#99', '07-11-99', 'kavitashah@example.com', 'Chandigarh');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1031', 'Anand Joshi', 'anand85', '19-02-85', 'anandjoshi@example.com', 'Guwahati');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1032', 'Madhuri Gupta', 'madhuri@90', '23-07-90', 'madhurigupta@example.com', 'Shimla');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1033', 'Nitin Rao', 'nitin_87', '15-09-87', 'nitinrao@example.com', 'Kochi');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1034', 'Pallavi Mohan', 'pallavi_91', '05-01-91', 'pallavimohan@example.com', 'Thiruvananthapuram');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1035', 'Ganesh Iyer', 'ganesh@95', '11-04-95', 'ganeshiyer@example.com', 'Mysore');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1036', 'Anushka Sharma', 'sharma@2001', '20-08-01', 'anushkasharma@example.com', 'Jaipur');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1037', 'Rahul Khanna', 'rahul@1996', '25-12-96', 'rahulkhanna@example.com', 'New Delhi');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1038', 'Aarav Singh', 'singh@1999', '10-05-99', 'aaravsingh@example.com', 'Mumbai');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1039', 'Ishaan Mehra', 'mehra@2002', '01-04-02', 'ishaanmehra@example.com', 'Chennai');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1040', 'Aadya Gupta', 'gupta@2003', '07-11-03', 'aadyagupta@example.com', 'Kolkata');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1041', 'Aaradhya Patel', 'patel@2005', '14-09-05', 'aaradhyapatel@example.com', 'Bangalore');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1042', 'Veer Singh', 'singh@1998', '18-03-98', 'veersingh@example.com', 'Hyderabad');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1043', 'Diya Reddy', 'reddy@2004', '22-06-04', 'diyareddy@example.com', 'Pune');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1044', 'Kabir Kumar', 'kumar@2000', '30-10-00', 'kabirkumar@example.com', 'Ahmedabad');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1045', 'Aahana Sharma', 'sharma@2006', '08-02-06', 'aahanasharma@example.com', 'Jaipur');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1046', 'Vihaan Khanna', 'khanna@2007', '17-07-07', 'vihaankhanna@example.com', 'Lucknow');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1047', 'Advik Patel', 'patel@2008', '24-12-08', 'advikpatel@example.com', 'Kanpur');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1048', 'Misha Gupta', 'gupta@2009', '03-04-09', 'mishagupta@example.com', 'Nagpur');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1049', 'Ananya Singh', 'singh@2010', '11-08-10', 'ananyasingh@example.com', 'Indore');
INSERT INTO User (User_Id, Name, Password, Dob, Email_Id, Address) VALUES ('U1050', 'Kiaan Choudhury', 'choudhury@2011', '16-03-11', 'kiaanchoudhury@example.com', 'Thane');
```

```sql
CREATE TABLE User_Account
(
    Account_Id  VARCHAR(512),
    Doj VARCHAR(512),
    Wallet  INT,
    User_Id VARCHAR(512)
);
```

```sql
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1001', '15-03-20', '5000', 'U1001');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1002', '21-08-19', '7500', 'U1002');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1003', '10-01-21', '3000', 'U1003');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1004', '05-05-22', '4500', 'U1004');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1005', '30-11-23', '6000', 'U1005');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1006', '17-07-20', '4000', 'U1006');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1007', '25-12-19', '5500', 'U1007');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1008', '02-08-21', '6500', 'U1008');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1009', '14-09-22', '7000', 'U1009');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1010', '03-04-23', '8000', 'U1010');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1011', '19-11-20', '3500', 'U1011');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1012', '27-05-19', '4800', 'U1012');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1013', '08-03-21', '5200', 'U1013');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1014', '12-10-22', '6800', 'U1014');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1015', '01-07-23', '4200', 'U1015');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1016', '30-01-20', '5700', 'U1016');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1017', '18-06-19', '6100', 'U1017');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1018', '25-09-21', '4600', 'U1018');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1019', '08-12-22', '7300', 'U1019');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1020', '14-02-23', '3800', 'U1020');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1021', '20-05-20', '5000', 'U1021');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1022', '11-10-19', '6400', 'U1022');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1023', '03-07-21', '3000', 'U1023');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1024', '19-08-22', '5500', 'U1024');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1025', '07-01-23', '4700', 'U1025');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1026', '24-04-20', '6200', 'U1026');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1027', '15-09-19', '5400', 'U1027');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1028', '28-11-21', '4900', 'U1028');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1029', '05-06-22', '6800', 'U1029');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1030', '11-08-23', '5100', 'U1030');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1031', '09-02-20', '4500', 'U1031');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1032', '14-07-19', '5900', 'U1032');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1033', '29-10-21', '7000', 'U1033');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1034', '17-03-22', '4300', 'U1034');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1035', '22-05-23', '6500', 'U1035');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1036', '03-09-20', '4800', 'U1036');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1037', '06-04-19', '5400', 'U1037');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1038', '25-12-21', '5200', 'U1038');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1039', '18-02-22', '4600', 'U1039');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1040', '11-03-23', '6900', 'U1040');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1041', '28-06-20', '3900', 'U1041');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1042', '05-11-19', '5700', 'U1042');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1043', '18-08-21', '4800', 'U1043');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1044', '01-07-22', '6200', 'U1044');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1045', '14-09-23', '5500', 'U1045');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1046', '22-03-20', '5000', 'U1046');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1047', '12-08-19', '6600', 'U1047');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1048', '27-01-21', '4300', 'U1048');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1049', '09-04-22', '7100', 'U1049');
INSERT INTO User_Account (Account_Id, Doj, Wallet, User_Id) VALUES ('A1050', '15-06-23', '5400', 'U1050');
```

```sql
CREATE TABLE User_Preference
(
    User_Id VARCHAR(512),
    Budget  INT,
    Country VARCHAR(512),
    Climate VARCHAR(512),
    Rating  DOUBLE,
    No_Of_Travellers    VARCHAR(512),
    FoodPreference  VARCHAR(512),
    Transport_Preference    VARCHAR(512),
    No_Of_Days  INT
);
```

```sql
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1011', '7500', 'Italy', 'Moderate', '4.5', '2', 'Non-Vegetarian', 'Flight', '7');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1012', '8500', 'South Korea', 'Mild', '4.4', '1', 'Vegetarian', 'Flight', '8');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1013', '9000', 'Germany', 'Moderate', '4.7', '2', 'Seafood', 'Flight', '9');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1014', '7000', 'Brazil', 'Tropical', '4.6', '2', 'Non-Vegetarian', 'Flight', '6');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1015', '8000', 'Russia', 'Cold', '4.3', '1', 'Vegan', 'Flight', '7');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1016', '9500', 'New Zealand', 'Mild', '4.8', '2', 'Non-Vegetarian', 'Flight', '10');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1017', '6000', 'Sweden', 'Cold', '4.2', '4', 'Seafood', 'Train', '5');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1018', '7000', 'Norway', 'Cold', '4.6', '2', 'Vegetarian', 'Train', '6');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1019', '8500', 'Denmark', 'Cold', '4.4', '1', 'Non-Vegetarian', 'Flight', '8');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1020', '8000', 'Argentina', 'Mild', '4.5', '2', 'Vegetarian', 'Flight', '7');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1021', '7500', 'Portugal', 'Moderate', '4.3', '1', 'Vegan', 'Flight', '6');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1022', '9000', 'Finland', 'Cold', '4.7', '2', 'Non-Vegetarian', 'Flight', '9');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1023', '8500', 'United Kingdom', 'Mild', '4.6', '1', 'Non-Vegetarian', 'Flight', '8');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1024', '7000', 'Switzerland', 'Moderate', '4.5', '1', 'Vegetarian', 'Train', '6');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1025', '9500', 'Ireland', 'Mild', '4.8', '2', 'Seafood', 'Flight', '10');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1026', '8000', 'Austria', 'Moderate', '4.4', '2', 'Vegan', 'Flight', '7');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1027', '7500', 'Singapore', 'Tropical', '4.3', '1', 'Non-Vegetarian', 'Flight', '6');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1028', '7000', 'Malaysia', 'Tropical', '4.6', '2', 'Non-Vegetarian', 'Flight', '6');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1029', '9000', 'China', 'Mild', '4.7', '2', 'Seafood', 'Flight', '8');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1030', '8000', 'Turkey', 'Moderate', '4.5', '1', 'Vegetarian', 'Flight', '7');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1031', '8500', 'Maldives', 'Tropical', '4.6', '2', 'Vegan', 'Flight', '8');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1032', '7500', 'Greece', 'Moderate', '4.4', '1', 'Vegetarian', 'Flight', '6');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1033', '9000', 'Sri Lanka', 'Tropical', '4.7', '2', 'Non-Vegetarian', 'Flight', '8');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1034', '8500', 'Philippines', 'Tropical', '4.5', '1', 'Vegan', 'Flight', '7');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1035', '7000', 'Egypt', 'Hot', '4.3', '1', 'Non-Vegetarian', 'Flight', '6');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1036', '9500', 'Peru', 'Mild', '4.6', '2', 'Seafood', 'Flight', '8');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1037', '8000', 'Chile', 'Mild', '4.4', '2', 'Vegetarian', 'Flight', '7');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1038', '7500', 'Costa Rica', 'Tropical', '4.3', '1', 'Non-Vegetarian', 'Flight', '6');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1039', '9000', 'Canada', 'Cold', '4.7', '2', 'Vegan', 'Flight', '8');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1040', '8500', 'Iceland', 'Cold', '4.6', '1', 'Non-Vegetarian', 'Flight', '8');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1041', '7000', 'Scotland', 'Mild', '4.5', '1', 'Seafood', 'Train', '6');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1042', '9500', 'Australia', 'Mild', '4.8', '2', 'Vegan', 'Flight', '10');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1043', '8000', 'Germany', 'Moderate', '4.4', '2', 'Non-Vegetarian', 'Flight', '7');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1044', '7500', 'Spain', 'Moderate', '4.3', '1', 'Vegetarian', 'Flight', '6');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1045', '7000', 'France', 'Mild', '4.6', '2', 'Vegan', 'Flight', '6');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1046', '9000', 'Italy', 'Moderate', '4.7', '2', 'Seafood', 'Flight', '8');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1047', '8500', 'United States', 'Mild', '4.5', '1', 'Non-Vegetarian', 'Flight', '8');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1048', '7000', 'Japan', 'Mild', '4.3', '1', 'Vegan', 'Flight', '6');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1049', '9500', 'Brazil', 'Tropical', '4.6', '2', 'Non-Vegetarian', 'Flight', '8');
INSERT INTO User_Preference (User_Id, Budget, Country, Climate, Rating, No_Of_Travellers, FoodPreference, Transport_Preference, No_Of_Days) VALUES ('USR1050', '8000', 'India', 'Tropical', '4.4', '2', 'Vegetarian', 'Train', '7');
dbms_projecttmsbilladmin
```

SQL-DML and Complex Queries

Data Manipulation Language (DML):
Use INSERT, UPDATE, and DELETE statements to manipulate data in the tables.

SELECT statement retrieves data from one or more tables.

Aggregate Functions:
Functions like AVG, SUM, COUNT, MIN, and MAX operate on a set of values to return a single value. They are often used with GROUP BY clause to perform aggregate operations on group of rows.

Complex Queries:
Combining multiple SELECT statements using UNION, INTERSECT, or EXCEPT.
Using subqueries to nest one query within another, typically within WHERE or FROM clauses.

Join Queries:
Use JOIN clause to retrieve data from multiple related tables simultaneously.
Different types of joins include INNER JOIN, LEFT JOIN, RIGHT JOIN, and FULL JOIN.

Sorting:
Use ORDER BY clause to sort query results based on one or more columns.
Sorting can be in ascending (default) or descending order.

Grouping:
Use GROUP BY clause to group rows that have the same values into summary rows.
Aggregate functions are often used in conjunction with GROUP BY to perform calculations on grouped data.

<u>The following and DML and DCL functions -</u>

- **LIMIT**: Specifies the maximum number of records to return.
- **SUM**(): An aggregate function that returns the sum of all or distinct values in a set.
- **IN**: Allows you to specify multiple values in a WHERE clause.
- **INNER JOIN**: Returns records that have matching values in both tables.
- **ON**: Used to join tables based on a related column between them.
- **UPDATE**: Used to modify the existing records in a table.
- **SET**: Used with UPDATE to specify the new value of the column.
- **WHERE**: Used to filter records.
- **DELETE**: Used to delete existing records from a table.

- **INSERT INTO**: Used to insert new records into a table.
- **VALUES**: Specifies the values of an INSERT INTO statement.
- **ALTER TABLE**: Used to add, delete/drop or modify columns in an existing table.
- **ADD COLUMN**: Used with ALTER TABLE to add new columns into a table.
- **GRANT**: Gives users permission to perform certain tasks.
- **REVOKE**: Takes back permissions from users.
- **COMMIT**: Saves all changes made in the current transaction.
- **ROLLBACK**: Rolls back an explicit or implicit transaction to the beginning of the transaction, or to a save point inside the transaction.

Q1. Retrieve all records from the Admin table

```
MariaDB [dbms]> -- 1. Retrieve all records from the Admin table
MariaDB [dbms]> SELECT * FROM Admin;
+----------+------------------+-----------+---------+
| Admin_id | Name             | Password  | Role    |
+----------+------------------+-----------+---------+
| A1001    | Ravi Kumar       | h3L#Z$p!@ | Owner   |
| A1002    | Priya Patel      | y%2&nJ@9! | Manager |
| A1003    | Amit Singh       | $e*4Xb8#Z | Guide   |
| A1004    | Deepika Sharma   | Q7^T@g*1K | Owner   |
| A1005    | Rajesh Gupta     | 5@hY*o#mP | Manager |
| A1006    | Neha Khan        | 8k$Q@jPw! | Guide   |
| A1007    | Vikram Malhotra  | w&3$%kS1J | Owner   |
| A1008    | Anjali Desai     | 6R*t#xG9@ | Manager |
| A1009    | Sandeep Verma    | b2!mP8Lx& | Guide   |
| A1010    | Sunita Reddy     | y$F&5u@4m | Owner   |
| A1011    | Rahul Iyer       | P^4uK&w8# | Manager |
| A1012    | Pooja Choudhury  | 9L!s$zN7# | Guide   |
| A1013    | Aditya Yedurkar  | aditya    | Owner   |
| A1014    | Aditi Chhajed    | aditi     | Manager |
| A1015    | Manoj Kapoor     | 5T@n6%y#J | Guide   |
| A1016    | Sneha Sharma     | #9x@7g4P! | Owner   |
| A1017    | Rajendra Prasad  | p6Q&wN1!% | Manager |
| A1018    | Nisha Singh      | K$8h!q*4T | Guide   |
| A1019    | Kishan Patel     | #3S@jW6x! | Owner   |
| A1020    | Swati Menon      | @1z*Y#6sJ | Manager |
| A1021    | Arjun Deshpande  | t$J7H&m3@ | Guide   |
| A1022    | Anita Chatterjee | v4X#n%6K@ | Owner   |
| A1023    | Vivek Rastogi    | &y5r@K8J! | Manager |
| A1024    | Ananya Das       | 8L@k4%wD& | Guide   |
| A1025    | Suresh Tiwari    | u8#p2K@5m | Owner   |
| A1026    | Meena Singh      | 5H@p8zX2k | Manager |
| A1027    | Harish Sharma    | p&L@8b3n% | Guide   |
| A1028    | Geeta Patel      | #4U@n3z%w | Owner   |
| A1029    | Alok Dubey       | q7V#n9z*W | Manager |
| A1030    | Kavita Shah      | e&4Y8j@1X | Guide   |
| A1031    | Anand Joshi      | 3F@z!5y6x | Owner   |
| A1032    | Madhuri Gupta    | 9U@z$7y1% | Manager |
| A1033    | Nitin Rao        | 7@v!mK2W% | Guide   |
| A1034    | Pallavi Mohan    | 4F@x8L!7Y | Owner   |
| A1035    | Ganesh Iyer      | #8D@f5r1K | Manager |
| A1036    | Sarita Sharma    | y6@p8s%b# | Guide   |
| A1037    | Prakash Patel    | %3k@9q2N* | Owner   |
| A1038    | Jyoti Mishra     | 5X@y4K!v3 | Manager |
| A1039    | Kunal Khurana    | 8T@m4K&p! | Guide   |
| A1040    | Sarika Singh     | 6Z#n@2g7P | Owner   |
| A1041    | Aditya Mehra     | 2G@m!4y7J | Manager |
| A1042    | Shubha Agarwal   | 9N#m5q6K@ | Guide   |
| A1043    | Rahul Tiwari     | 3T@g9n8Q$ | Owner   |
| A1044    | Neelam Rao       | 8M%r@5s9Z | Manager |
| A1045    | Sanjay Gupta     | 5P%w!9x8H | Guide   |
| A1046    | Juhi Patel       | v$6t@8j3Q | Owner   |
| A1047    | Amar Singh       | #3X@v9m7G | Manager |
| A1048    | Suman Sharma     | 6H@x3L&4Z | Guide   |
| A1049    | Deepak Verma     | 9K@q3m2Jv | Owner   |
+----------+------------------+-----------+---------+
98 rows in set (0.005 sec)
```

Q2. Retrieve all records from the User table

```
MariaDB [dbms]> -- 2. Retrieve all records from the User table
MariaDB [dbms]> SELECT * FROM User;
+---------+------------------+----------------+------------+-----------------------------+--------------------+
| User_Id | Name             | Password       | Dob        | Email_Id                    | Address            |
+---------+------------------+----------------+------------+-----------------------------+--------------------+
| U1001   | Ravi Kumar       | h3L#Z$p!@      | 15-05-90   | ravikumar@example.com       | Mumbai             |
| U1002   | Priya Patel      | y%2&nJ@9!      | 25-10-88   | priyapatel@example.com      | New Delhi          |
| U1003   | Amit Singh       | $e*4Xb8#Z      | 08-03-95   | amitsingh@example.com       | Bangalore          |
| U1004   | Deepika Sharma   | Q7^T@g*1K      | 30-12-87   | deepikasharma@example.com   | Kolkata            |
| U1005   | Rajesh Gupta     | 5@hY*o#mP      | 18-08-90   | rajeshgupta@example.com     | Chennai            |
| U1006   | Neha Khan        | 8k$Q@jPw!      | 20-07-92   | nehakhan@example.com        | Hyderabad          |
| U1007   | Vikram Malhotra  | w&3$%kS1J      | 12-06-85   | vikrammalhotra@example.com  | Pune               |
| U1008   | Anjali Desai     | 6R*t#xG9@      | 05-09-98   | anjalidesai@example.com     | Ahmedabad          |
| U1009   | Sandeep Verma    | b2!mP8Lx&      | 28-04-93   | sandeepverma@example.com    | Jaipur             |
| U1010   | Sunita Reddy     | y$F&5u@4m      | 02-11-96   | sunitareddy@example.com     | Lucknow            |
| U1011   | Rahul Iyer       | P^4uK&w8#      | 14-02-87   | rahuliyer@example.com       | Kanpur             |
| U1012   | Pooja Choudhury  | 9L!s$zN7#      | 30-06-89   | poojachoudhury@example.com  | Nagpur             |
| U1013   | Arun Khanna      | 2@B8w*3%q      | 22-09-86   | arunkhanna@example.com      | Indore             |
| U1014   | Shilpa Joshi     | u@1H9V!s%      | 17-03-91   | shilpajoshi@example.com     | Thane              |
| U1015   | Manoj Kapoor     | 5T@n6%y#J      | 04-07-94   | manojkapoor@example.com     | Bhopal             |
| U1016   | Sneha Sharma     | #9x@7g4P!      | 28-11-88   | snehasharma@example.com     | Visakhapatnam      |
| U1017   | Rajendra Prasad  | p6Q&wN1!%      | 12-12-79   | rajendraprasad@example.com  | Patna              |
| U1018   | Nisha Singh      | nisha1997      | 09-05-97   | nishasingh@example.com      | Ludhiana           |
| U1019   | Kishan Patel     | kishan@1991    | 03-08-91   | kishanpatel@example.com     | Agra               |
| U1020   | Swati Menon      | swati#93       | 17-10-93   | swatimenon@example.com      | Nashik             |
| U1021   | Arjun Deshpande  | arjun@1998     | 21-01-98   | arjundeshpande@example.com  | Meerut             |
| U1022   | Anita Chatterjee | anita@85       | 15-04-85   | anitachatterjee@example.com | Varanasi           |
| U1023   | Vivek Rastogi    | &y5r@K8J!      | 27-09-92   | vivekrastogi@example.com    | Allahabad          |
| U1024   | Ananya Das       | ananya1989     | 31-12-89   | ananyadas@example.com       | Jabalpur           |
| U1025   | Suresh Tiwari    | suresh@97      | 05-02-97   | sureshtiwari@example.com    | Ranchi             |
| U1026   | Meena Singh      | meenak@2000    | 12-06-00   | meenasingh@example.com      | Gwalior            |
| U1027   | Harish Sharma    | harish_1994    | 03-10-94   | harishsharma@example.com    | Jodhpur            |
| U1028   | Geeta Patel      | geeta78        | 27-03-78   | geetapatel@example.com      | Raipur             |
| U1029   | Alok Dubey       | alok@96        | 14-08-96   | alokdubey@example.com       | Kota               |
| U1030   | Kavita Shah      | kavita#99      | 07-11-99   | kavitashah@example.com      | Chandigarh         |
| U1031   | Anand Joshi      | anand85        | 19-02-85   | anandjoshi@example.com      | Guwahati           |
| U1032   | Madhuri Gupta    | madhuri@90     | 23-07-90   | madhurigupta@example.com    | Shimla             |
| U1033   | Nitin Rao        | nitin_87       | 15-09-87   | nitinrao@example.com        | Kochi              |
| U1034   | Pallavi Mohan    | pallavi_91     | 05-01-91   | pallavimohan@example.com    | Thiruvananthapuram |
| U1035   | Ganesh Iyer      | ganesh@95      | 11-04-95   | ganeshiyer@example.com      | Mysore             |
| U1036   | Anushka Sharma   | sharma@2001    | 20-08-01   | anushkasharma@example.com   | Jaipur             |
| U1037   | Rahul Khanna     | rahul@1996     | 25-12-96   | rahulkhanna@example.com     | New Delhi          |
| U1038   | Aarav Singh      | singh@1999     | 10-05-99   | aaravsingh@example.com      | Mumbai             |
| U1039   | Ishaan Mehra     | mehra@2002     | 01-04-02   | ishaanmehra@example.com     | Chennai            |
| U1040   | Aadya Gupta      | gupta@2003     | 07-11-03   | aadyagupta@example.com      | Kolkata            |
| U1041   | Aaradhya Patel   | patel@2005     | 14-09-05   | aaradhyapatel@example.com   | Bangalore          |
| U1042   | Veer Singh       | singh@1998     | 18-03-98   | veersingh@example.com       | Hyderabad          |
| U1043   | Diya Reddy       | reddy@2004     | 22-06-04   | diyareddy@example.com       | Pune               |
| U1044   | Kabir Kumar      | kumar@2000     | 30-10-00   | kabirkumar@example.com      | Ahmedabad          |
| U1045   | Aahana Sharma    | sharma@2006    | 08-02-06   | aahanasharma@example.com    | Jaipur             |
| U1046   | Vihaan Khanna    | khanna@2007    | 17-07-07   | vihaankhanna@example.com    | Lucknow            |
| U1047   | Advik Patel      | patel@2008     | 24-12-08   | advikpatel@example.com      | Kanpur             |
| U1048   | Misha Gupta      | gupta@2009     | 03-04-09   | mishagupta@example.com      | Nagpur             |
| U1049   | Ananya Singh     | singh@2010     | 11-08-10   | ananyasingh@example.com     | Indore             |
| U1050   | Kiaan Choudhury  | choudhury@2011 | 16-03-11   | kiaanchoudhury@example.com  | Thane              |
| 1234    | Yedurkar         | nopass         | 2004-10-26 | noreply@gmail.com           | Home               |
| b       | b                | b              | 0004-04-23 | a@a                         | a                  |
+---------+------------------+----------------+------------+-----------------------------+--------------------+
52 rows in set (0.002 sec)
```

Q3. Retrieve all records from the User_Profile table

```
MariaDB [dbms]> SELECT * FROM User_Account;
+------------+----------+--------+---------+
| Account_Id | Doj      | Wallet | User_Id |
+------------+----------+--------+---------+
| A1001      | 15-03-20 |   5000 | U1001   |
| A1002      | 21-08-19 |   7500 | U1002   |
| A1003      | 10-01-21 |   3000 | U1003   |
| A1004      | 05-05-22 |   4500 | U1004   |
| A1005      | 30-11-23 |   6000 | U1005   |
| A1006      | 17-07-20 |   4000 | U1006   |
| A1007      | 25-12-19 |   5500 | U1007   |
| A1008      | 02-08-21 |   6500 | U1008   |
| A1009      | 14-09-22 |   7000 | U1009   |
| A1010      | 03-04-23 |   8000 | U1010   |
| A1011      | 19-11-20 |   3500 | U1011   |
| A1012      | 27-05-19 |   4800 | U1012   |
| A1013      | 08-03-21 |   5200 | U1013   |
| A1014      | 12-10-22 |   6800 | U1014   |
| A1015      | 01-07-23 |   4200 | U1015   |
| A1016      | 30-01-20 |   5700 | U1016   |
| A1017      | 18-06-19 |   6100 | U1017   |
| A1018      | 25-09-21 |   4600 | U1018   |
| A1019      | 08-12-22 |   7300 | U1019   |
| A1020      | 14-02-23 |   3800 | U1020   |
| A1021      | 20-05-20 |   5000 | U1021   |
| A1022      | 11-10-19 |   6400 | U1022   |
| A1023      | 03-07-21 |   3000 | U1023   |
| A1024      | 19-08-22 |   5500 | U1024   |
| A1025      | 07-01-23 |   4700 | U1025   |
| A1026      | 24-04-20 |   6200 | U1026   |
| A1027      | 15-09-19 |   5400 | U1027   |
| A1028      | 28-11-21 |   4900 | U1028   |
| A1029      | 05-06-22 |   6800 | U1029   |
| A1030      | 11-08-23 |   5100 | U1030   |
| A1031      | 09-02-20 |   4500 | U1031   |
| A1032      | 14-07-19 |   5900 | U1032   |
| A1033      | 29-10-21 |   7000 | U1033   |
| A1034      | 17-03-22 |   4300 | U1034   |
| A1035      | 22-05-23 |   6500 | U1035   |
| A1036      | 03-09-20 |   4800 | U1036   |
| A1037      | 06-04-19 |   5400 | U1037   |
| A1038      | 25-12-21 |   5200 | U1038   |
| A1039      | 18-02-22 |   4600 | U1039   |
| A1040      | 11-03-23 |   6900 | U1040   |
| A1041      | 28-06-20 |   3900 | U1041   |
| A1042      | 05-11-19 |   5700 | U1042   |
| A1043      | 18-08-21 |   4800 | U1043   |
| A1044      | 01-07-22 |   6200 | U1044   |
| A1045      | 14-09-23 |   5500 | U1045   |
| A1046      | 22-03-20 |   5000 | U1046   |
| A1047      | 12-08-19 |   6600 | U1047   |
| A1048      | 27-01-21 |   4300 | U1048   |
| A1049      | 09-04-22 |   7100 | U1049   |
| A1050      | 15-06-23 |   5400 | U1050   |
+------------+----------+--------+---------+
50 rows in set (0.001 sec)
```

Q4. Retrieve information about different types of transportation available in the system, along with their fare and vehicle type.

```
MariaDB [dbms]> SELECT * FROM Transport_Type;
+--------------+-----------------+-------+---------------+
| Transport_id | NameOfProvider  | Fare  | TypeOfVehicle |
+--------------+-----------------+-------+---------------+
| T1001        | Air India       | 50000 | Flight        |
| T1002        | IndiGo          | 45000 | Flight        |
| T1003        | GoAir           | 40000 | Flight        |
| T1004        | SpiceJet        | 42000 | Flight        |
| T1005        | Jet Airways     | 55000 | Flight        |
| T1006        | Vistara         | 48000 | Flight        |
| T1007        | British Airways | 60000 | Flight        |
| T1008        | Lufthansa       | 70000 | Flight        |
| T1009        | Emirates        | 75000 | Flight        |
| T1010        | Etihad Airways  | 68000 | Flight        |
| T1011        | Qatar Airways   | 72000 | Flight        |
| T1012        | First Flight    | 28000 | Flight        |
| T1013        | Ola             |  2500 | Car           |
| T1014        | Uber            |  2000 | Car           |
| T1015        | Tata Motors     |  3000 | Car           |
| T1016        | Maruti Suzuki   |  2800 | Car           |
| T1017        | ZoomCar         |  3000 | Car           |
| T1018        | Ford            |  3200 | Car           |
| T1019        | Honda           |  2700 | Car           |
| T1020        | Kia Motors      |  3500 | Car           |
| T1021        | Volvo           |  1200 | Bus           |
| T1022        | KSRTC           |  1000 | Bus           |
| T1023        | BMTC            |   800 | Bus           |
| T1024        | Scania          |  1400 | Bus           |
| T1025        | Toyota          |  2900 | Car           |
| T1026        | Nissan          |  3100 | Car           |
| T1027        | Hyundai         |  2600 | Car           |
| T1028        | Mercedes-Benz   |  4000 | Car           |
| T1029        | Metro           |   500 | Train         |
| T1030        | Indian Railways |  1000 | Train         |
| T1031        | Air India       | 50000 | Flight        |
| T1032        | IndiGo          | 45000 | Flight        |
| T1033        | GoAir           | 40000 | Flight        |
| T1034        | SpiceJet        | 42000 | Flight        |
| T1035        | Jet Airways     | 55000 | Flight        |
| T1036        | Vistara         | 48000 | Flight        |
| T1037        | British Airways | 60000 | Flight        |
| T1038        | Lufthansa       | 70000 | Flight        |
| T1039        | Emirates        | 75000 | Flight        |
| T1040        | Etihad Airways  | 68000 | Flight        |
| T1041        | Qatar Airways   | 72000 | Flight        |
| T1042        | First Flight    | 28000 | Flight        |
| T1043        | Ola             |  2500 | Car           |
| T1044        | Uber            |  2000 | Car           |
| T1045        | Tata Motors     |  3000 | Car           |
| T1046        | Maruti Suzuki   |  2800 | Car           |
| T1047        | ZoomCar         |  3000 | Car           |
| T1048        | Ford            |  3200 | Car           |
| T1049        | Honda           |  2700 | Car           |
| T1050        | Kia Motors      |  3500 | Car           |
+--------------+-----------------+-------+---------------+
50 rows in set (0.001 sec)
```

Q5. Retrieve details of all hotels including their names, number of rooms, cost, and contact information.

```
MariaDB [dbms]> SELECT * FROM Hotel;
+----------+------------------------------+-------------+------+--------------------+--------+
| Hotel_id | Name                         | No_Of_Rooms | Cost | Address            | Rating |
+----------+------------------------------+-------------+------+--------------------+--------+
| H1001    | Grand Hyatt                  |         200 | 5000 | Mumbai             |    8.5 |
| H1002    | Taj Palace                   |         150 | 6000 | Delhi              |      9 |
| H1003    | Marriott Marquis             |         180 | 5500 | Bengaluru          |    8.7 |
| H1004    | Hilton                       |         220 | 4800 | Chennai            |    8.2 |
| H1005    | InterContinental             |         190 | 5200 | Kolkata            |    8.4 |
| H1006    | The Oberoi                   |         210 | 5100 | Jaipur             |    8.8 |
| H1007    | ITC Grand Chola              |         240 | 4700 | Hyderabad          |    8.3 |
| H1008    | Leela Palace                 |         230 | 4900 | Pune               |    8.6 |
| H1009    | Radisson Blu                 |         170 | 5700 | Ahmedabad          |    8.1 |
| H1010    | Hyatt Regency                |         200 | 5400 | Lucknow            |    8.9 |
| H1011    | The Ritz-Carlton             |         250 | 4600 | Goa                |      8 |
| H1012    | Novotel                      |         160 | 6200 | Chandigarh         |    9.1 |
| H1013    | Four Seasons                 |         190 | 5300 | Nagpur             |    8.7 |
| H1014    | Westin                       |         210 | 5100 | Indore             |    8.4 |
| H1015    | Shangri-La                   |         180 | 5800 | Varanasi           |    8.6 |
| H1016    | Le Meridien                  |         220 | 5000 | Dehradun           |    8.2 |
| H1017    | DoubleTree                   |         200 | 5600 | Bhopal             |    8.5 |
| H1018    | Crowne Plaza                 |         190 | 5900 | Gurugram           |    8.8 |
| H1019    | JW Marriott                  |         240 | 4800 | Ludhiana           |    8.3 |
| H1020    | Trident                      |         230 | 5200 | Raipur             |    8.7 |
| H1021    | The Leela                    |         170 | 5700 | Vadodara           |    8.2 |
| H1022    | Holiday Inn                  |         200 | 5400 | Ranchi             |    8.9 |
| H1023    | Park Hyatt                   |         250 | 4600 | Visakhapatnam      |      8 |
| H1024    | Grand Mercure                |         160 | 6200 | Puducherry         |    9.1 |
| H1025    | Aloft                        |         190 | 5300 | Kochi              |    8.7 |
| H1026    | Hotel Formule1               |         210 | 5100 | Mysuru             |    8.4 |
| H1027    | ibis                         |         180 | 5800 | Thiruvananthapuram |    8.6 |
| H1028    | The Lalit                    |         220 | 5000 | Bhubaneswar        |    8.2 |
| H1029    | Radisson                     |         200 | 5600 | Aurangabad         |    8.5 |
| H1030    | Renaissance                  |         190 | 5900 | Surat              |    8.8 |
| H1031    | ITC Maurya                   |         230 | 5200 | Patna              |    8.7 |
| H1032    | The Westin                   |         170 | 5700 | Jodhpur            |    8.2 |
```

```
| H1012    | Novotel                      |         160 | 6200 | Chandigarh         |    9.1 |
| H1013    | Four Seasons                 |         190 | 5300 | Nagpur             |    8.7 |
| H1014    | Westin                       |         210 | 5100 | Indore             |    8.4 |
| H1015    | Shangri-La                   |         180 | 5800 | Varanasi           |    8.6 |
| H1016    | Le Meridien                  |         220 | 5000 | Dehradun           |    8.2 |
| H1017    | DoubleTree                   |         200 | 5600 | Bhopal             |    8.5 |
| H1018    | Crowne Plaza                 |         190 | 5900 | Gurugram           |    8.8 |
| H1019    | JW Marriott                  |         240 | 4800 | Ludhiana           |    8.3 |
| H1020    | Trident                      |         230 | 5200 | Raipur             |    8.7 |
| H1021    | The Leela                    |         170 | 5700 | Vadodara           |    8.2 |
| H1022    | Holiday Inn                  |         200 | 5400 | Ranchi             |    8.9 |
| H1023    | Park Hyatt                   |         250 | 4600 | Visakhapatnam      |      8 |
| H1024    | Grand Mercure                |         160 | 6200 | Puducherry         |    9.1 |
| H1025    | Aloft                        |         190 | 5300 | Kochi              |    8.7 |
| H1026    | Hotel Formule1               |         210 | 5100 | Mysuru             |    8.4 |
| H1027    | ibis                         |         180 | 5800 | Thiruvananthapuram |    8.6 |
| H1028    | The Lalit                    |         220 | 5000 | Bhubaneswar        |    8.2 |
| H1029    | Radisson                     |         200 | 5600 | Aurangabad         |    8.5 |
| H1030    | Renaissance                  |         190 | 5900 | Surat              |    8.8 |
| H1031    | ITC Maurya                   |         230 | 5200 | Patna              |    8.7 |
| H1032    | The Westin                   |         170 | 5700 | Jodhpur            |    8.2 |
| H1033    | Taj Bengal                   |         200 | 5400 | Kanpur             |    8.9 |
| H1034    | Le Méridien                  |         250 | 4600 | Gwalior            |      8 |
| H1035    | Hotel Sahara Star            |         160 | 6200 | Amritsar           |    9.1 |
| H1036    | The Gateway Hotel            |         190 | 5300 | Nashik             |    8.7 |
| H1037    | Hyatt Pune                   |         210 | 5100 | Kolhapur           |    8.4 |
| H1038    | Hilton Mumbai                |         180 | 5800 | Jabalpur           |    8.6 |
| H1039    | Taj Lands End                |         220 | 5000 | Allahabad          |    8.2 |
| H1040    | The St. Regis                |         200 | 5600 | Rajkot             |    8.5 |
| H1041    | Le Méridien                  |         190 | 5900 | Guwahati           |    8.8 |
| H1042    | The Ritz-Carlton             |         230 | 5200 | Rourkela           |    8.7 |
| H1043    | Oberoi Grand                 |         170 | 5700 | Hisar              |    8.2 |
| H1044    | ITC Sonar                    |         200 | 5400 | Ramgarh            |    8.9 |
| H1045    | The Oberoi Cecil             |         250 | 4600 | Kharagpur          |      8 |
| H1046    | Hotel Trident                |         200 | 5500 | Panchkula          |    8.4 |
| H1047    | The Lalit Great Eastern      |         220 | 5200 | Siliguri           |    8.6 |
| H1048    | Crowne Plaza Jaipur Tonk Road |         210 | 5300 | Jaipur             |    8.5 |
| H1049    | Hyatt Ahmedabad              |         190 | 5700 | Ahmedabad          |    8.7 |
+----------+------------------------------+-------------+------+--------------------+--------+
98 rows in set (0.001 sec)
```

Q6. Retrieve information about tourist places currently registered in the system, along with their locations.

```
MariaDB [dbms]> SELECT * FROM Tourist_Places;
+---------+----------------------+---------------------------+--------------------+
| Id      | Country              | State                     | City               |
+---------+----------------------+---------------------------+--------------------+
| TP1001 | India                | Maharashtra               | Mumbai             |
| TP1002 | India                | Delhi                     | New Delhi          |
| TP1003 | India                | Karnataka                 | Bangalore          |
| TP1004 | India                | Tamil Nadu                | Chennai            |
| TP1005 | India                | West Bengal               | Kolkata            |
| TP1006 | India                | Rajasthan                 | Jaipur             |
| TP1007 | India                | Telangana                 | Hyderabad          |
| TP1008 | India                | Uttar Pradesh             | Lucknow            |
| TP1009 | India                | Goa                       | Panaji             |
| TP1010 | India                | Himachal Pradesh          | Shimla             |
| TP1011 | India                | Gujarat                   | Ahmedabad          |
| TP1012 | India                | Punjab                    | Chandigarh         |
| TP1013 | India                | Kerala                    | Thiruvananthapuram |
| TP1014 | India                | Assam                     | Dispur             |
| TP1015 | India                | Uttarakhand               | Dehradun           |
| TP1016 | India                | Bihar                     | Patna              |
| TP1017 | India                | Haryana                   | Chandigarh         |
| TP1018 | India                | Odisha                    | Bhubaneswar        |
| TP1019 | India                | Chhattisgarh              | Raipur             |
| TP1020 | India                | Jharkhand                 | Ranchi             |
| TP1021 | France               | Île-de-France             | Paris              |
| TP1022 | United States        | California                | Los Angeles        |
| TP1023 | United Kingdom       | England                   | London             |
| TP1024 | Italy                | Lazio                     | Rome               |
| TP1025 | Japan                | Tokyo                     | Tokyo              |
| TP1026 | Spain                | Catalonia                 | Barcelona          |
| TP1027 | Brazil               | São Paulo                 | São Paulo          |
| TP1028 | Russia               | Moscow                    | Moscow             |
| TP1029 | Turkey               | Istanbul                  | Istanbul           |
| TP1030 | Malaysia             | Kuala Lumpur              | Kuala Lumpur       |
| TP1031 | Australia            | New South Wales           | Sydney             |
| TP1032 | Canada               | Ontario                   | Toronto            |
| TP1033 | China                | Beijing                   | Beijing            |
| TP1034 | Singapore            | Central Singapore         | Singapore          |
| TP1035 | Germany              | Berlin                    | Berlin             |
| TP1036 | United Arab Emirates | Dubai                     | Dubai              |
| TP1037 | South Korea          | Seoul                     | Seoul              |
| TP1038 | Thailand             | Bangkok                   | Bangkok            |
| TP1039 | Netherlands          | North Holland             | Amsterdam          |
| TP1040 | Switzerland          | Zurich                    | Zurich             |
| TP1041 | Austria              | Vienna                    | Vienna             |
| TP1042 | Argentina            | Buenos Aires              | Buenos Aires       |
| TP1043 | Denmark              | Capital Region of Denmark | Copenhagen         |
| TP1044 | Sweden               | Stockholm                 | Stockholm          |
| TP1045 | New Zealand          | Auckland                  | Auckland           |
| TP1046 | Portugal             | Lisbon                    | Lisbon             |
| TP1047 | Norway               | Oslo                      | Oslo               |
| TP1048 | Finland              | Uusimaa                   | Helsinki           |
| TP1049 | Belgium              | Brussels-Capital Region   | Brussels           |
| TP1050 | Ireland              | Leinster                  | Dublin             |
+---------+----------------------+---------------------------+--------------------+
50 rows in set (0.001 sec)
```

Q7. Retrieve details of all planned itineraries, including the destinations, budgets, and travel dates.

```
MariaDB [dbms]> SELECT * FROM Itinerary;
+--------------+--------------------------+--------+---------------------+----------------+--------------+--------+------------------+----------------+-
-------------+----------+----------------+
| Itinerary_id | Title                    | Budget | Country             | State          | City         | Rating | No_Of_Travellers | FoodPreference |
Transport_id | Hotel_id | Date_Of_Travel |
+--------------+--------------------------+--------+---------------------+----------------+--------------+--------+------------------+----------------+-
-------------+----------+----------------+
| IT1001       | Exploring Mumbai         |   5000 | India               | Maharashtra    | Mumbai       |    4.2 | 2                | Vegetarian     |
FL1001       | HT1001   | 15-05-24       |
| IT1002       | Sightseeing in Paris     |   8000 | France              | Île-de-France  | Paris        |    4.5 | 1                | Non-Vegetarian |
FL1021       | HT1041   | 20-06-24       |
| IT1003       | Weekend Trip to Goa      |   6000 | India               | Goa            | Panaji       |    4.6 | 4                | Seafood        |
FL1002       | HT1009   | 10-07-24       |
| IT1004       | Business Trip to New York |  10000 | United States       | New York       | New York City |    4.8 | 1                | Non-Vegetarian |
FL1023       | HT1051   | 05-08-24       |
| IT1005       | Adventure in Tokyo       |   7000 | Japan               | Tokyo          | Tokyo        |    4.7 | 2                | Vegetarian     |
FL1025       | HT1024   | 15-09-24       |
| IT1006       | Exploring Barcelona      |   7500 | Spain               | Catalonia      | Barcelona    |    4.4 | 2                | Non-Vegetarian |
FL1026       | HT1063   | 20-10-24       |
| IT1007       | Holiday in Sydney        |   8500 | Australia           | New South Wales | Sydney       |    4.6 | 2                | Seafood        |
FL1031       | HT1055   | 10-11-24       |
| IT1008       | Exploring Bangkok        |   7000 | Thailand            | Bangkok        | Bangkok      |    4.3 | 1                | Vegetarian     |
FL1038       | HT1054   | 05-12-24       |
| IT1009       | Weekend in Amsterdam     |   8000 | Netherlands         | North Holland  | Amsterdam    |    4.5 | 1                | Non-Vegetarian |
FL1039       | HT1069   | 20-01-25       |
| IT1010       | Relaxing in Zurich       |   9000 | Switzerland         | Zurich         | Zurich       |    4.7 | 2                | Vegetarian     |
FL1040       | HT1070   | 15-02-25       |
| IT1011       | Cultural Tour in Delhi   |   5500 | India               | Delhi          | New Delhi    |    4.4 | 3                | Vegetarian     |
FL1003       | HT1002   | 10-03-25       |
| IT1012       | Skiing in Oslo           |  10000 | Norway              | Oslo           | Oslo         |    4.8 | 2                | Non-Vegetarian |
FL1047       | HT1047   | 05-04-25       |
| IT1013       | Hiking in Helsinki       |   7500 | Finland             | Uusimaa        | Helsinki     |    4.6 | 1                | Vegan          |
FL1048       | HT1048   | 20-05-25       |
| IT1014       | Exploring Dubai          |   9000 | United Arab Emirates | Dubai          | Dubai        |    4.5 | 2                | Non-Vegetarian |
FL1036       | HT1036   | 10-06-25       |
| IT1015       | Sightseeing in Rome      |   8000 | Italy               | Lazio          | Rome         |    4.7 | 1                | Non-Vegetarian |
FL1024       | HT1056   | 05-07-25       |
| IT1016       | Weekend Trip to Bengaluru |   6000 | India               | Karnataka      | Bangalore    |    4.3 | 4                | Seafood        |
FL1004       | HT1003   | 15-08-25       |
| IT1017       | Exploring Istanbul       |   8500 | Turkey              | Istanbul       | Istanbul     |    4.4 | 2                | Vegetarian     |
```

```
| IT1033       | Cultural Tour in Rome    |   9000 | Italy               | Lazio          | Rome         |    4.5 | 3                | Non-Vegetarian |
FL1024       | HT1056   | 05-01-27       |
| IT1034       | Adventure in Istanbul    |   7500 | Turkey              | Istanbul       | Istanbul     |    4.6 | 1                | Vegetarian     |
FL1029       | HT1029   | 20-02-27       |
| IT1035       | Holiday in Seoul         |   8000 | South Korea         | Seoul          | Seoul        |    4.4 | 2                | Vegan          |
FL1037       | HT1037   | 15-03-27       |
| IT1036       | Skiing in Stockholm      |  10000 | Sweden              | Stockholm      | Stockholm    |    4.8 | 2                | Non-Vegetarian |
FL1044       | HT1044   | 10-04-27       |
| IT1037       | Relaxing in Dubai        |   9500 | United Arab Emirates | Dubai          | Dubai        |    4.7 | 2                | Vegan          |
FL1036       | HT1036   | 20-05-27       |
| IT1038       | Hiking in Auckland       |   8000 | New Zealand         | Auckland       | Auckland     |    4.5 | 1                | Vegetarian     |
FL1045       | HT1045   | 10-06-27       |
| IT1039       | Cultural Tour in Bangkok |   6500 | Thailand            | Bangkok        | Bangkok      |    4.3 | 3                | Non-Vegetarian |
FL1038       | HT1054   | 05-07-27       |
| IT1040       | Weekend in Amsterdam     |   8500 | Netherlands         | North Holland  | Amsterdam    |    4.6 | 1                | Vegetarian     |
FL1039       | HT1069   | 20-08-27       |
| IT1041       | Adventure in Paris       |   7500 | France              | Île-de-France  | Paris        |    4.4 | 2                | Non-Vegetarian |
FL1021       | HT1041   | 15-09-27       |
| IT1042       | Exploring Los Angeles    |   8000 | United States       | California     | Los Angeles  |    4.6 | 1                | Vegan          |
FL1022       | HT1052   | 10-10-27       |
| IT1043       | Holiday in London        |   8500 | United Kingdom      | England        | London       |    4.7 | 2                | Vegetarian     |
FL1023       | HT1052   | 05-11-27       |
| IT1044       | Weekend Trip to Rome     |   6500 | Italy               | Lazio          | Rome         |    4.3 | 3                | Non-Vegetarian |
FL1024       | HT1056   | 20-12-27       |
| IT1045       | Cultural Tour in Tokyo   |   9000 | Japan               | Tokyo          | Tokyo        |    4.5 | 2                | Vegan          |
FL1025       | HT1024   | 15-01-28       |
| IT1046       | Sightseeing in Barcelona |   7500 | Spain               | Catalonia      | Barcelona    |    4.6 | 1                | Vegetarian     |
FL1026       | HT1063   | 10-02-28       |
| IT1047       | Adventure in São Paulo   |   8000 | Brazil              | São Paulo      | São Paulo    |    4.7 | 2                | Non-Vegetarian |
FL1027       | HT1027   | 05-03-28       |
| IT1048       | Weekend in Moscow        |   6500 | Russia              | Moscow         | Moscow       |    4.3 | 3                | Vegetarian     |
FL1028       | HT1028   | 20-04-28       |
| IT1049       | Holiday in Dubai         |   9500 | United Arab Emirates | Dubai          | Dubai        |    4.6 | 2                | Non-Vegetarian |
FL1036       | HT1036   | 10-05-28       |
| IT1050       | Exploring Amsterdam      |   8500 | Netherlands         | North Holland  | Amsterdam    |    4.5 | 1                | Vegetarian     |
FL1039       | HT1069   | 05-06-28       |
+--------------+--------------------------+--------+---------------------+----------------+--------------+--------+------------------+----------------+-
-------------+----------+----------------+
100 rows in set (0.002 sec)
```

Q8. Retrieve information about user preferences regarding budget, climate, food, etc., for their travel plans.

```
MariaDB [dbms]> SELECT * FROM User_Preference;
```

User_Id	Budget	Country	Climate	Rating	No_Of_Travellers	FoodPreference	Transport_Preference	No_Of_Days
USR1011	7500	Italy	Moderate	4.5	2	Non-Vegetarian	Flight	7
USR1012	8500	South Korea	Mild	4.4	1	Vegetarian	Flight	8
USR1013	9000	Germany	Moderate	4.7	2	Seafood	Flight	9
USR1014	7000	Brazil	Tropical	4.6	2	Non-Vegetarian	Flight	6
USR1015	8000	Russia	Cold	4.3	1	Vegan	Flight	7
USR1016	9500	New Zealand	Mild	4.8	2	Non-Vegetarian	Flight	10
USR1017	6000	Sweden	Cold	4.2	4	Seafood	Train	5
USR1018	7000	Norway	Cold	4.6	2	Vegetarian	Train	6
USR1019	8500	Denmark	Cold	4.4	1	Non-Vegetarian	Flight	8
USR1020	8000	Argentina	Mild	4.5	2	Vegetarian	Flight	7
USR1021	7500	Portugal	Moderate	4.3	1	Vegan	Flight	6
USR1022	9000	Finland	Cold	4.7	2	Non-Vegetarian	Flight	9
USR1023	8500	United Kingdom	Mild	4.6	1	Non-Vegetarian	Flight	8
USR1024	7000	Switzerland	Moderate	4.5	1	Vegetarian	Train	6
USR1025	9500	Ireland	Mild	4.8	2	Seafood	Flight	10
USR1026	8000	Austria	Moderate	4.4	2	Vegan	Flight	7
USR1027	7500	Singapore	Tropical	4.3	1	Non-Vegetarian	Flight	6
USR1028	7000	Malaysia	Tropical	4.6	2	Non-Vegetarian	Flight	6
USR1029	9000	China	Mild	4.7	2	Seafood	Flight	8
USR1030	8000	Turkey	Moderate	4.5	1	Vegetarian	Flight	7
USR1031	8500	Maldives	Tropical	4.6	2	Vegan	Flight	8
USR1032	7500	Greece	Moderate	4.4	1	Vegetarian	Flight	6
USR1033	9000	Sri Lanka	Tropical	4.7	2	Non-Vegetarian	Flight	8
USR1034	8500	Philippines	Tropical	4.5	1	Vegan	Flight	7
USR1035	7000	Egypt	Hot	4.3	1	Non-Vegetarian	Flight	6
USR1036	9500	Peru	Mild	4.6	2	Seafood	Flight	8
USR1037	8000	Chile	Mild	4.4	2	Vegetarian	Flight	7
USR1038	7500	Costa Rica	Tropical	4.3	1	Non-Vegetarian	Flight	6
USR1039	9000	Canada	Cold	4.7	2	Vegan	Flight	8
USR1040	8500	Iceland	Cold	4.6	1	Non-Vegetarian	Flight	8
USR1041	7000	Scotland	Mild	4.5	1	Seafood	Train	6
USR1042	9500	Australia	Mild	4.8	2	Vegan	Flight	10
USR1043	8000	Germany	Moderate	4.4	2	Non-Vegetarian	Flight	7
USR1044	7500	Spain	Moderate	4.3	1	Vegetarian	Flight	6
USR1045	7000	France	Mild	4.6	2	Vegan	Flight	6
USR1046	9000	Italy	Moderate	4.7	2	Seafood	Flight	8
USR1047	8500	United States	Mild	4.5	1	Non-Vegetarian	Flight	8

Q9. Retrieve details of all bills including the amount, date, and payment method used by users.

```
MariaDB [dbms]> SELECT * FROM Bill;
+---------+--------+----------+----------------+---------+
| Bill_no | Amount | Date     | Payment_method | User_Id |
+---------+--------+----------+----------------+---------+
| BL1001  |   5000 | 15-05-24 | Credit Card    | USR1001 |
| BL1002  |   7000 | 20-06-24 | Debit Card     | USR1002 |
| BL1003  |   6000 | 10-07-24 | Net Banking    | USR1003 |
| BL1004  |   8000 | 05-08-24 | PayPal         | USR1004 |
| BL1005  |   6500 | 15-09-24 | Cash           | USR1005 |
| BL1006  |   7500 | 20-10-24 | Credit Card    | USR1006 |
| BL1007  |   8500 | 10-11-24 | Debit Card     | USR1007 |
| BL1008  |   7000 | 05-12-24 | Net Banking    | USR1008 |
| BL1009  |   9000 | 20-01-25 | PayPal         | USR1009 |
| BL1010  |   8000 | 15-02-25 | Cash           | USR1010 |
| BL1011  |   6000 | 10-03-25 | Credit Card    | USR1011 |
| BL1012  |  10000 | 05-04-25 | Debit Card     | USR1012 |
| BL1013  |   7500 | 20-05-25 | Net Banking    | USR1013 |
| BL1014  |   9500 | 10-06-25 | PayPal         | USR1014 |
| BL1015  |   8000 | 05-07-25 | Cash           | USR1015 |
| BL1016  |   6500 | 15-08-25 | Credit Card    | USR1016 |
| BL1017  |   8500 | 20-09-25 | Debit Card     | USR1017 |
| BL1018  |   7000 | 10-10-25 | Net Banking    | USR1018 |
| BL1019  |   9000 | 05-11-25 | PayPal         | USR1019 |
| BL1020  |   7500 | 20-12-25 | Cash           | USR1020 |
| BL1021  |   7000 | 15-01-26 | Credit Card    | USR1021 |
| BL1022  |   9500 | 10-02-26 | Debit Card     | USR1022 |
| BL1023  |   8500 | 05-03-26 | Net Banking    | USR1023 |
| BL1024  |   8000 | 20-04-26 | PayPal         | USR1024 |
| BL1025  |   6000 | 10-05-26 | Cash           | USR1025 |
| BL1026  |   9000 | 05-06-26 | Credit Card    | USR1026 |
| BL1027  |   7500 | 20-07-26 | Debit Card     | USR1027 |
| BL1028  |   8500 | 15-08-26 | Net Banking    | USR1028 |
| BL1029  |   7000 | 10-09-26 | PayPal         | USR1029 |
| BL1030  |   9500 | 05-10-26 | Cash           | USR1030 |
| BL1031  |   8000 | 20-11-26 | Credit Card    | USR1031 |
| BL1032  |   7000 | 10-12-26 | Debit Card     | USR1032 |
| BL1033  |   8500 | 05-01-27 | Net Banking    | USR1033 |
| BL1034  |   7500 | 20-02-27 | PayPal         | USR1034 |
| BL1035  |   9000 | 15-03-27 | Cash           | USR1035 |
| BL1036  |   8000 | 10-04-27 | Credit Card    | USR1036 |
| BL1014  |   9500 | 10-06-25 | PayPal         | USR1014 |
| BL1015  |   8000 | 05-07-25 | Cash           | USR1015 |
| BL1016  |   6500 | 15-08-25 | Credit Card    | USR1016 |
| BL1017  |   8500 | 20-09-25 | Debit Card     | USR1017 |
| BL1018  |   7000 | 10-10-25 | Net Banking    | USR1018 |
| BL1019  |   9000 | 05-11-25 | PayPal         | USR1019 |
| BL1020  |   7500 | 20-12-25 | Cash           | USR1020 |
| BL1021  |   7000 | 15-01-26 | Credit Card    | USR1021 |
| BL1022  |   9500 | 10-02-26 | Debit Card     | USR1022 |
| BL1023  |   8500 | 05-03-26 | Net Banking    | USR1023 |
| BL1024  |   8000 | 20-04-26 | PayPal         | USR1024 |
| BL1025  |   6000 | 10-05-26 | Cash           | USR1025 |
| BL1026  |   9000 | 05-06-26 | Credit Card    | USR1026 |
| BL1027  |   7500 | 20-07-26 | Debit Card     | USR1027 |
| BL1028  |   8500 | 15-08-26 | Net Banking    | USR1028 |
| BL1029  |   7000 | 10-09-26 | PayPal         | USR1029 |
| BL1030  |   9500 | 05-10-26 | Cash           | USR1030 |
| BL1031  |   8000 | 20-11-26 | Credit Card    | USR1031 |
| BL1032  |   7000 | 10-12-26 | Debit Card     | USR1032 |
| BL1033  |   8500 | 05-01-27 | Net Banking    | USR1033 |
| BL1034  |   7500 | 20-02-27 | PayPal         | USR1034 |
| BL1035  |   9000 | 15-03-27 | Cash           | USR1035 |
| BL1036  |   8000 | 10-04-27 | Credit Card    | USR1036 |
| BL1037  |   6500 | 20-05-27 | Debit Card     | USR1037 |
| BL1038  |   7000 | 10-06-27 | Net Banking    | USR1038 |
| BL1039  |   9500 | 05-07-27 | PayPal         | USR1039 |
| BL1040  |   8500 | 20-08-27 | Cash           | USR1040 |
| BL1041  |   7500 | 15-09-27 | Credit Card    | USR1041 |
| BL1042  |   8000 | 10-10-27 | Debit Card     | USR1042 |
| BL1043  |   7000 | 05-11-27 | Net Banking    | USR1043 |
| BL1044  |   9500 | 20-12-27 | PayPal         | USR1044 |
| BL1045  |   8500 | 15-01-28 | Cash           | USR1045 |
| BL1046  |   8000 | 10-02-28 | Credit Card    | USR1046 |
| BL1047  |   7500 | 05-03-28 | Debit Card     | USR1047 |
| BL1048  |   9000 | 20-04-28 | Net Banking    | USR1048 |
| BL1049  |   7000 | 10-05-28 | PayPal         | USR1049 |
| BL1050  |   9500 | 05-06-28 | Cash           | USR1050 |
+---------+--------+----------+----------------+---------+
100 rows in set (0.001 sec)
```

Q10. Show administrators with the role 'Owner' and registered before January 1, 2023

```
MariaDB [dbms]> SELECT * FROM Admin WHERE Role = 'Owner' AND DATE(STR_TO_DATE(SUBSTRING(Admin_id, 4, 6), '%y%m%d')) < '2023-01-01';
+----------+-----------------+-----------+-------+
| Admin_id | Name            | Password  | Role  |
+----------+-----------------+-----------+-------+
| A1001    | Ravi Kumar      | h3L#Z$p!@ | Owner |
| A1004    | Deepika Sharma  | Q7^T@g*1K | Owner |
| A1007    | Vikram Malhotra | w&3$%kS1J | Owner |
| A1010    | Sunita Reddy    | y$F&5u@4m | Owner |
| A1013    | Aditya Yedurkar | aditya    | Owner |
| A1016    | Sneha Sharma    | #9x@7g4P! | Owner |
| A1019    | Kishan Patel    | #3S@jW6x! | Owner |
| A1022    | Anita Chatterjee | v4X#n%6K@ | Owner |
| A1001    | Ravi Kumar      | h3L#Z$p!@ | Owner |
| A1004    | Deepika Sharma  | Q7^T@g*1K | Owner |
| A1007    | Vikram Malhotra | w&3$%kS1J | Owner |
| A1010    | Sunita Reddy    | y$F&5u@4m | Owner |
| A1013    | Aditya Yedurkar | aditya    | Owner |
| A1016    | Sneha Sharma    | #9x@7g4P! | Owner |
| A1019    | Kishan Patel    | #3S@jW6x! | Owner |
| A1022    | Anita Chatterjee | v4X#n%6K@ | Owner |
+----------+-----------------+-----------+-------+
16 rows in set (0.015 sec)
```

Q11.List administrators with the role 'Admin' and whose name starts with 'J'

```
MariaDB [dbms]> SELECT * FROM Admin WHERE Role = 'Manager' AND Name LIKE 'J%';
+----------+--------------+-----------+---------+
| Admin_id | Name         | Password  | Role    |
+----------+--------------+-----------+---------+
| A1038    | Jyoti Mishra | 5X@y4K!v3 | Manager |
| A1038    | Jyoti Mishra | 5X@y4K!v3 | Manager |
+----------+--------------+-----------+---------+
2 rows in set (0.008 sec)
```

Q12. Display administrators with the role 'Guide' and registered between January 1, 2020, and December 31, 2024.

```
MariaDB [dbms]> SELECT * FROM Admin WHERE Role = 'Guide' and DATE(STR_TO_DATE(SUBSTRING(Admin_id, 4, 6), '%y%m%d')) BETWEEN '2020-01-01' AND '2024-12-31'
+----------+----------------+-----------+-------+
| Admin_id | Name           | Password  | Role  |
+----------+----------------+-----------+-------+
| A1021    | Arjun Deshpande | t$J7H&m3@ | Guide |
| A1024    | Ananya Das     | 8L@k4%wD& | Guide |
| A1021    | Arjun Deshpande | t$J7H&m3@ | Guide |
| A1024    | Ananya Das     | 8L@k4%wD& | Guide |
+----------+----------------+-----------+-------+
4 rows in set (0.005 sec)
```

Q13. Provide details of users whose name startes with A.

```
MariaDB [dbms]> SELECT * FROM User where name like "A%";
+---------+------------------+-------------+----------+---------------------------+-----------+
| User_Id | Name             | Password    | Dob      | Email_Id                  | Address   |
+---------+------------------+-------------+----------+---------------------------+-----------+
| U1003   | Amit Singh       | $e*4Xb8#Z   | 08-03-95 | amitsingh@example.com     | Bangalore |
| U1008   | Anjali Desai     | 6R*t#xG9@   | 05-09-98 | anjalidesai@example.com   | Ahmedabad |
| U1013   | Arun Khanna      | 2@B8w*3%q   | 22-09-86 | arunkhanna@example.com    | Indore    |
| U1021   | Arjun Deshpande  | arjun@1998  | 21-01-98 | arjundeshpande@example.com | Meerut    |
| U1022   | Anita Chatterjee | anita@85    | 15-04-85 | anitachatterjee@example.com | Varanasi  |
| U1024   | Ananya Das       | ananya1989  | 31-12-89 | ananyadas@example.com     | Jabalpur  |
| U1029   | Alok Dubey       | alok@96     | 14-08-96 | alokdubey@example.com     | Kota      |
| U1031   | Anand Joshi      | anand85     | 19-02-85 | anandjoshi@example.com    | Guwahati  |
| U1036   | Anushka Sharma   | sharma@2001 | 20-08-01 | anushkasharma@example.com | Jaipur    |
| U1038   | Aarav Singh      | singh@1999  | 10-05-99 | aaravsingh@example.com    | Mumbai    |
| U1040   | Aadya Gupta      | gupta@2003  | 07-11-03 | aadyagupta@example.com    | Kolkata   |
| U1041   | Aaradhya Patel   | patel@2005  | 14-09-05 | aaradhyapatel@example.com | Bangalore |
| U1045   | Aahana Sharma    | sharma@2006 | 08-02-06 | aahanasharma@example.com  | Jaipur    |
| U1047   | Advik Patel      | patel@2008  | 24-12-08 | advikpatel@example.com    | Kanpur    |
| U1049   | Ananya Singh     | singh@2010  | 11-08-10 | ananyasingh@example.com   | Indore    |
+---------+------------------+-------------+----------+---------------------------+-----------+
15 rows in set (0.001 sec)
```

Q14. Show users with email addresses ending with '@apple.com'

```
MariaDB [dbms]> SELECT * FROM User WHERE Email_Id LIKE '%@apple.com';
Empty set (0.001 sec)
```

Q15. List users with names containing 'Ananya' and registered in the last 30 days.

```
MariaDB [dbms]> SELECT * FROM User WHERE Name LIKE '%Ananya%' AND Dob >= CURDATE() - INTERVAL 30 YEAR;
+---------+--------------+------------+----------+-------------------------+---------+
| User_Id | Name         | Password   | Dob      | Email_Id                | Address |
+---------+--------------+------------+----------+-------------------------+---------+
| U1049   | Ananya Singh | singh@2010 | 11-08-10 | ananyasingh@example.com | Indore  |
+---------+--------------+------------+----------+-------------------------+---------+
1 row in set, 1 warning (0.003 sec)
```

Q16. Retrieve all records from the Admin table where the role is 'Owner' and registered before January 1, 2023.

```
MariaDB [dbms]> SELECT * FROM Admin WHERE Role = 'Owner' AND DATE(STR_TO_DATE(SUBSTRING(Admin_id, 4, 6), '%y%m%d')) < '2023-01-01';
+----------+-----------------+-----------+-------+
| Admin_id | Name            | Password  | Role  |
+----------+-----------------+-----------+-------+
| A1001    | Ravi Kumar      | h3L#Z$p!@ | Owner |
| A1004    | Deepika Sharma  | Q7^T@g*1K | Owner |
| A1007    | Vikram Malhotra | w&3$%kS1J | Owner |
| A1010    | Sunita Reddy    | y$F&5u@4m | Owner |
| A1013    | Aditya Yedurkar | aditya    | Owner |
| A1016    | Sneha Sharma    | #9x@7g4P! | Owner |
| A1019    | Kishan Patel    | #3S@jW6x! | Owner |
| A1022    | Anita Chatterjee | v4X#n%6K@ | Owner |
| A1001    | Ravi Kumar      | h3L#Z$p!@ | Owner |
| A1004    | Deepika Sharma  | Q7^T@g*1K | Owner |
| A1007    | Vikram Malhotra | w&3$%kS1J | Owner |
| A1010    | Sunita Reddy    | y$F&5u@4m | Owner |
| A1013    | Aditya Yedurkar | aditya    | Owner |
| A1016    | Sneha Sharma    | #9x@7g4P! | Owner |
| A1019    | Kishan Patel    | #3S@jW6x! | Owner |
| A1022    | Anita Chatterjee | v4X#n%6K@ | Owner |
+----------+-----------------+-----------+-------+
16 rows in set (0.001 sec)
```

Q17. Retrieve all records from the Hotel table where rating is more than 9 and number of rooms is at least 100.

```
MariaDB [dbms]> SELECT * FROM Hotel WHERE Rating > 9 AND No_Of_Rooms >= 100;
+----------+------------------+-------------+------+------------+--------+
| Hotel_id | Name             | No_Of_Rooms | Cost | Address    | Rating |
+----------+------------------+-------------+------+------------+--------+
| H1012    | Novotel          |         160 | 6200 | Chandigarh |    9.1 |
| H1024    | Grand Mercure    |         160 | 6200 | Puducherry |    9.1 |
| H1035    | Hotel Sahara Star |         160 | 6200 | Amritsar   |    9.1 |
| H1012    | Novotel          |         160 | 6200 | Chandigarh |    9.1 |
| H1024    | Grand Mercure    |         160 | 6200 | Puducherry |    9.1 |
| H1035    | Hotel Sahara Star |         160 | 6200 | Amritsar   |    9.1 |
+----------+------------------+-------------+------+------------+--------+
6 rows in set (0.001 sec)
```

Q18. Retrieve all records from the Tourist_Places table from India and cities starting with S.

```
MariaDB [dbms]> SELECT * FROM Tourist_Places WHERE Country LIKE '%India%' AND City LIKE 'S%';
+---------+---------+-------------------+---------+
| Id      | Country | State             | City    |
+---------+---------+-------------------+---------+
| TP1010 | India    | Himachal Pradesh | Shimla |
+---------+---------+-------------------+---------+
1 row in set (0.001 sec)
```

Q19. Retrieve all records from the Itinerary table

```
MariaDB [dbms]> SELECT * FROM Itinerary WHERE Budget BETWEEN 500 AND 10000 AND Country = 'India' AND Rating >= 4;
+--------------+--------------------------+--------+---------+-------------+-----------+--------+-----------------+----------------+--------------+-------
---+----------------+
| Itinerary_id | Title                    | Budget | Country | State       | City      | Rating | No_Of_Travellers | FoodPreference | Transport_id | Hotel_
id | Date_Of_Travel |
+--------------+--------------------------+--------+---------+-------------+-----------+--------+-----------------+----------------+--------------+-------
---+----------------+
| IT1001       | Exploring Mumbai         |   5000 | India   | Maharashtra | Mumbai    |    4.2 | 2               | Vegetarian     | FL1001       | HT1001
   | 15-05-24       |
| IT1003       | Weekend Trip to Goa      |   6000 | India   | Goa         | Panaji    |    4.6 | 4               | Seafood        | FL1002       | HT1009
   | 10-07-24       |
| IT1011       | Cultural Tour in Delhi   |   5500 | India   | Delhi       | New Delhi |    4.4 | 3               | Vegetarian     | FL1003       | HT1002
   | 10-03-25       |
| IT1016       | Weekend Trip to Bengaluru |   6000 | India   | Karnataka   | Bangalore |    4.3 | 4               | Seafood        | FL1004       | HT1003
   | 15-08-25       |
| IT1022       | Weekend Trip to Goa      |   6500 | India   | Goa         | Panaji    |    4.4 | 4               | Vegetarian     | FL1002       | HT1009
   | 10-02-26       |
| IT1001       | Exploring Mumbai         |   5000 | India   | Maharashtra | Mumbai    |    4.2 | 2               | Vegetarian     | FL1001       | HT1001
   | 15-05-24       |
| IT1003       | Weekend Trip to Goa      |   6000 | India   | Goa         | Panaji    |    4.6 | 4               | Seafood        | FL1002       | HT1009
   | 10-07-24       |
| IT1011       | Cultural Tour in Delhi   |   5500 | India   | Delhi       | New Delhi |    4.4 | 3               | Vegetarian     | FL1003       | HT1002
   | 10-03-25       |
| IT1016       | Weekend Trip to Bengaluru |   6000 | India   | Karnataka   | Bangalore |    4.3 | 4               | Seafood        | FL1004       | HT1003
   | 15-08-25       |
| IT1022       | Weekend Trip to Goa      |   6500 | India   | Goa         | Panaji    |    4.4 | 4               | Vegetarian     | FL1002       | HT1009
   | 10-02-26       |
+--------------+--------------------------+--------+---------+-------------+-----------+--------+-----------------+----------------+--------------+-------
---+----------------+
10 rows in set (0.001 sec)
```

Q20. Retrieve all records from the User_Preference table

```
MariaDB [dbms]> SELECT * FROM User_Preference WHERE Budget > 1000 AND Rating > 3 AND FoodPreference = 'Seafood';
+---------+--------+----------+----------+--------+-----------------+----------------+----------------------+------------+
| User_Id | Budget | Country  | Climate  | Rating | No_Of_Travellers | FoodPreference | Transport_Preference | No_Of_Days |
+---------+--------+----------+----------+--------+-----------------+----------------+----------------------+------------+
| USR1013 |   9000 | Germany  | Moderate |    4.7 | 2               | Seafood        | Flight               |          9 |
| USR1017 |   6000 | Sweden   | Cold     |    4.2 | 4               | Seafood        | Train                |          5 |
| USR1025 |   9500 | Ireland  | Mild     |    4.8 | 2               | Seafood        | Flight               |         10 |
| USR1029 |   9000 | China    | Mild     |    4.7 | 2               | Seafood        | Flight               |          8 |
| USR1036 |   9500 | Peru     | Mild     |    4.6 | 2               | Seafood        | Flight               |          8 |
| USR1041 |   7000 | Scotland | Mild     |    4.5 | 1               | Seafood        | Train                |          6 |
| USR1046 |   9000 | Italy    | Moderate |    4.7 | 2               | Seafood        | Flight               |          8 |
+---------+--------+----------+----------+--------+-----------------+----------------+----------------------+------------+
7 rows in set (0.001 sec)
```

Q21. Get Itinerarires which have a budget <50K and country as US and rating>3.

```
MariaDB [dbms]> SELECT * FROM Itinerary WHERE Budget < 50000 AND Country = 'United States' AND Rating > 3;
+--------------+--------------------------+--------+---------------+------------+--------------+--------+-----------------+----------------+--------------
-+----------+----------------+
| Itinerary_id | Title                    | Budget | Country       | State      | City         | Rating | No_Of_Travellers | FoodPreference | Transport_id
 | Hotel_id | Date_Of_Travel |
+--------------+--------------------------+--------+---------------+------------+--------------+--------+-----------------+----------------+--------------
-+----------+----------------+
| IT1004       | Business Trip to New York |  10000 | United States | New York   | New York City |    4.8 | 1               | Non-Vegetarian | FL1023
 | HT1051   | 05-08-24       |
| IT1042       | Exploring Los Angeles    |   8000 | United States | California | Los Angeles  |    4.6 | 1               | Vegan          | FL1022
 | HT1052   | 10-10-27       |
| IT1004       | Business Trip to New York |  10000 | United States | New York   | New York City |    4.8 | 1               | Non-Vegetarian | FL1023
 | HT1051   | 05-08-24       |
| IT1042       | Exploring Los Angeles    |   8000 | United States | California | Los Angeles  |    4.6 | 1               | Vegan          | FL1022
 | HT1052   | 10-10-27       |
+--------------+--------------------------+--------+---------------+------------+--------------+--------+-----------------+----------------+--------------
-+----------+----------------+
4 rows in set (0.001 sec)
```

Q22. Get users whose budget is >2k and rating>4 and travelling as a couple.

```
MariaDB [dbms]> SELECT * FROM User_Preference WHERE Budget > 2000 AND Rating > 4 AND No_Of_Travellers > 2;
+---------+--------+---------+---------+--------+-----------------+----------------+----------------------+------------+
| User_Id | Budget | Country | Climate | Rating | No_Of_Travellers | FoodPreference | Transport_Preference | No_Of_Days |
+---------+--------+---------+---------+--------+-----------------+----------------+----------------------+------------+
| USR1017 |   6000 | Sweden  | Cold    |    4.2 | 4               | Seafood        | Train                |          5 |
+---------+--------+---------+---------+--------+-----------------+----------------+----------------------+------------+
1 row in set (0.005 sec)
```

Q23. Get bills which have a payment by card and amount>5k.

```
MariaDB [dbms]> SELECT * FROM  bill WHERE Payment_method = 'Credit Card' AND Amount > 5000 ;
+---------+--------+----------+----------------+---------+
| Bill_no | Amount | Date     | Payment_method | User_Id |
+---------+--------+----------+----------------+---------+
| BL1006  |   7500 | 20-10-24 | Credit Card    | USR1006 |
| BL1011  |   6000 | 10-03-25 | Credit Card    | USR1011 |
| BL1016  |   6500 | 15-08-25 | Credit Card    | USR1016 |
| BL1021  |   7000 | 15-01-26 | Credit Card    | USR1021 |
| BL1026  |   9000 | 05-06-26 | Credit Card    | USR1026 |
| BL1031  |   8000 | 20-11-26 | Credit Card    | USR1031 |
| BL1036  |   8000 | 10-04-27 | Credit Card    | USR1036 |
| BL1041  |   7500 | 15-09-27 | Credit Card    | USR1041 |
| BL1046  |   8000 | 10-02-28 | Credit Card    | USR1046 |
| BL1006  |   7500 | 20-10-24 | Credit Card    | USR1006 |
| BL1011  |   6000 | 10-03-25 | Credit Card    | USR1011 |
| BL1016  |   6500 | 15-08-25 | Credit Card    | USR1016 |
| BL1021  |   7000 | 15-01-26 | Credit Card    | USR1021 |
| BL1026  |   9000 | 05-06-26 | Credit Card    | USR1026 |
| BL1031  |   8000 | 20-11-26 | Credit Card    | USR1031 |
| BL1036  |   8000 | 10-04-27 | Credit Card    | USR1036 |
| BL1041  |   7500 | 15-09-27 | Credit Card    | USR1041 |
| BL1046  |   8000 | 10-02-28 | Credit Card    | USR1046 |
+---------+--------+----------+----------------+---------+
18 rows in set (0.000 sec)
```

Q24. Get Admins who are guides and joined before 2023.

```
MariaDB [dbms]> SELECT * FROM Admin WHERE Role = 'Guide' AND DATE(STR_TO_DATE(SUBSTRING(Admin_id, 4, 6), '%y%m%d')) <= '2022-12-31';
+----------+----------------+-----------+-------+
| Admin_id | Name           | Password  | Role  |
+----------+----------------+-----------+-------+
| A1003    | Amit Singh     | $e*4Xb8#Z | Guide |
| A1006    | Neha Khan      | 8k$Q@jPw! | Guide |
| A1009    | Sandeep Verma  | b2!mP8Lx& | Guide |
| A1012    | Pooja Choudhury | 9L!s$zN7# | Guide |
| A1015    | Manoj Kapoor   | 5T@n6%y#J | Guide |
| A1018    | Nisha Singh    | K$8h!q*4T | Guide |
| A1021    | Arjun Deshpande | t$J7H&m3@ | Guide |
| A1003    | Amit Singh     | $e*4Xb8#Z | Guide |
| A1006    | Neha Khan      | 8k$Q@jPw! | Guide |
| A1009    | Sandeep Verma  | b2!mP8Lx& | Guide |
| A1012    | Pooja Choudhury | 9L!s$zN7# | Guide |
| A1015    | Manoj Kapoor   | 5T@n6%y#J | Guide |
| A1018    | Nisha Singh    | K$8h!q*4T | Guide |
| A1021    | Arjun Deshpande | t$J7H&m3@ | Guide |
+----------+----------------+-----------+-------+
14 rows in set (0.001 sec)
```

Q25. Get users who want to travel in tropical and budget is >1.5k and travelling as a couple.

```
MariaDB [dbms]> SELECT * FROM User_Preference WHERE Climate = 'Tropical' AND Budget > 1500 AND No_Of_Travellers <= 2;
+---------+--------+-------------+----------+--------+-----------------+----------------+----------------------+------------+
| User_Id | Budget | Country     | Climate  | Rating | No_Of_Travellers | FoodPreference | Transport_Preference | No_Of_Days |
+---------+--------+-------------+----------+--------+-----------------+----------------+----------------------+------------+
| USR1014 |   7000 | Brazil      | Tropical |    4.6 | 2               | Non-Vegetarian | Flight               |          6 |
| USR1027 |   7500 | Singapore   | Tropical |    4.3 | 1               | Non-Vegetarian | Flight               |          6 |
| USR1028 |   7000 | Malaysia    | Tropical |    4.6 | 2               | Non-Vegetarian | Flight               |          6 |
| USR1031 |   8500 | Maldives    | Tropical |    4.6 | 2               | Vegan          | Flight               |          8 |
| USR1033 |   9000 | Sri Lanka   | Tropical |    4.7 | 2               | Non-Vegetarian | Flight               |          8 |
| USR1034 |   8500 | Philippines | Tropical |    4.5 | 1               | Vegan          | Flight               |          7 |
| USR1038 |   7500 | Costa Rica  | Tropical |    4.3 | 1               | Non-Vegetarian | Flight               |          6 |
| USR1049 |   9500 | Brazil      | Tropical |    4.6 | 2               | Non-Vegetarian | Flight               |          8 |
| USR1050 |   8000 | India       | Tropical |    4.4 | 2               | Vegetarian     | Train                |          7 |
+---------+--------+-------------+----------+--------+-----------------+----------------+----------------------+------------+
9 rows in set (0.001 sec)
```

Q26.Get emirates flights.

```
MariaDB [dbms]> SELECT * FROM Transport_Type WHERE Fare > 100 AND TypeOfVehicle = 'Flight' AND NameOfProvider = 'Emirates';
+--------------+----------------+-------+---------------+
| Transport_id | NameOfProvider | Fare  | TypeOfVehicle |
+--------------+----------------+-------+---------------+
| T1009        | Emirates       | 75000 | Flight        |
| T1039        | Emirates       | 75000 | Flight        |
+--------------+----------------+-------+---------------+
2 rows in set (0.001 sec)
```

Q27.

```
MariaDB [dbms]> SELECT * FROM Itinerary WHERE Budget > 2000 AND Country = 'Japan';
+--------------+-----------------------+--------+---------+-------+-------+--------+-----------------+----------------+-------------+----------+---------
-------+
| Itinerary_id | Title                 | Budget | Country | State | City  | Rating | No_Of_Travellers | FoodPreference | Transport_id | Hotel_id | Date_Of_
Travel |
+--------------+-----------------------+--------+---------+-------+-------+--------+-----------------+----------------+-------------+----------+---------
-------+
| IT1005       | Adventure in Tokyo    |   7000 | Japan   | Tokyo | Tokyo |    4.7 | 2               | Vegetarian     | FL1025       | HT1024   | 15-09-24
       |
| IT1029       | Holiday in Tokyo      |   7500 | Japan   | Tokyo | Tokyo |    4.4 | 1               | Non-Vegetarian | FL1025       | HT1024   | 10-09-26
       |
| IT1045       | Cultural Tour in Tokyo |   9000 | Japan   | Tokyo | Tokyo |    4.5 | 2               | Vegan          | FL1025       | HT1024   | 15-01-28
       |
| IT1005       | Adventure in Tokyo    |   7000 | Japan   | Tokyo | Tokyo |    4.7 | 2               | Vegetarian     | FL1025       | HT1024   | 15-09-24
       |
| IT1029       | Holiday in Tokyo      |   7500 | Japan   | Tokyo | Tokyo |    4.4 | 1               | Non-Vegetarian | FL1025       | HT1024   | 10-09-26
       |
| IT1045       | Cultural Tour in Tokyo |   9000 | Japan   | Tokyo | Tokyo |    4.5 | 2               | Vegan          | FL1025       | HT1024   | 15-01-28
       |
+--------------+-----------------------+--------+---------+-------+-------+--------+-----------------+----------------+-------------+----------+---------
-------+
6 rows in set (0.001 sec)
```

Q28.

```
MariaDB [dbms]> SELECT * FROM User_Preference WHERE Rating > 4 AND Budget BETWEEN 8000 AND 9500;
+----------+--------+----------------+-----------+--------+-----------------+----------------+----------------------+-------------+
| User_Id  | Budget | Country        | Climate   | Rating | No_Of_Travellers | FoodPreference | Transport_Preference | No_Of_Days  |
+----------+--------+----------------+-----------+--------+-----------------+----------------+----------------------+-------------+
| USR1012  |   8500 | South Korea    | Mild      |    4.4 | 1               | Vegetarian     | Flight               |           8 |
| USR1013  |   9000 | Germany        | Moderate  |    4.7 | 2               | Seafood        | Flight               |           9 |
| USR1015  |   8000 | Russia         | Cold      |    4.3 | 1               | Vegan          | Flight               |           7 |
| USR1016  |   9500 | New Zealand    | Mild      |    4.8 | 2               | Non-Vegetarian | Flight               |          10 |
| USR1019  |   8500 | Denmark        | Cold      |    4.4 | 1               | Non-Vegetarian | Flight               |           8 |
| USR1020  |   8000 | Argentina      | Mild      |    4.5 | 2               | Vegetarian     | Flight               |           7 |
| USR1022  |   9000 | Finland        | Cold      |    4.7 | 2               | Non-Vegetarian | Flight               |           9 |
| USR1023  |   8500 | United Kingdom | Mild      |    4.6 | 1               | Non-Vegetarian | Flight               |           8 |
| USR1025  |   9500 | Ireland        | Mild      |    4.8 | 2               | Seafood        | Flight               |          10 |
| USR1026  |   8000 | Austria        | Moderate  |    4.4 | 2               | Vegan          | Flight               |           7 |
| USR1029  |   9000 | China          | Mild      |    4.7 | 2               | Seafood        | Flight               |           8 |
| USR1030  |   8000 | Turkey         | Moderate  |    4.5 | 1               | Vegetarian     | Flight               |           7 |
| USR1031  |   8500 | Maldives       | Tropical  |    4.6 | 2               | Vegan          | Flight               |           8 |
| USR1033  |   9000 | Sri Lanka      | Tropical  |    4.7 | 2               | Non-Vegetarian | Flight               |           8 |
| USR1034  |   8500 | Philippines    | Tropical  |    4.5 | 1               | Vegan          | Flight               |           7 |
| USR1036  |   9500 | Peru           | Mild      |    4.6 | 2               | Seafood        | Flight               |           8 |
| USR1037  |   8000 | Chile          | Mild      |    4.4 | 2               | Vegetarian     | Flight               |           7 |
| USR1039  |   9000 | Canada         | Cold      |    4.7 | 2               | Vegan          | Flight               |           8 |
| USR1040  |   8500 | Iceland        | Cold      |    4.6 | 1               | Non-Vegetarian | Flight               |           8 |
| USR1042  |   9500 | Australia      | Mild      |    4.8 | 2               | Vegan          | Flight               |          10 |
| USR1043  |   8000 | Germany        | Moderate  |    4.4 | 2               | Non-Vegetarian | Flight               |           7 |
| USR1046  |   9000 | Italy          | Moderate  |    4.7 | 2               | Seafood        | Flight               |           8 |
| USR1047  |   8500 | United States  | Mild      |    4.5 | 1               | Non-Vegetarian | Flight               |           8 |
| USR1049  |   9500 | Brazil         | Tropical  |    4.6 | 2               | Non-Vegetarian | Flight               |           8 |
| USR1050  |   8000 | India          | Tropical  |    4.4 | 2               | Vegetarian     | Train                |           7 |
+----------+--------+----------------+-----------+--------+-----------------+----------------+----------------------+-------------+
25 rows in set (0.001 sec)
```

Q29.

```
MariaDB [dbms]> SELECT * FROM Itinerary WHERE Budget > 1000 AND (Country = 'France' OR Country = 'Germany');
+--------------+-----------------------+--------+---------+---------------+-------+--------+-----------------+----------------+-------------+----------+
---------------+
| Itinerary_id | Title                 | Budget | Country | State         | City  | Rating | No_Of_Travellers | FoodPreference | Transport_id | Hotel_id |
 Date_Of_Travel |
+--------------+-----------------------+--------+---------+---------------+-------+--------+-----------------+----------------+-------------+----------+
---------------+
| IT1002       | Sightseeing in Paris  |   8000 | France  | Île-de-France | Paris |    4.5 | 1               | Non-Vegetarian | FL1021       | HT1041   |
 20-06-24       |
| IT1020       | Cultural Tour in Paris |   6000 | France  | Île-de-France | Paris |    4.5 | 3               | Vegan          | FL1021       | HT1041   |
 20-12-25       |
| IT1031       | Exploring Paris       |   8500 | France  | Île-de-France | Paris |    4.7 | 2               | Vegan          | FL1021       | HT1041   |
 20-11-26       |
| IT1041       | Adventure in Paris    |   7500 | France  | Île-de-France | Paris |    4.4 | 2               | Non-Vegetarian | FL1021       | HT1041   |
 15-09-27       |
| IT1002       | Sightseeing in Paris  |   8000 | France  | Île-de-France | Paris |    4.5 | 1               | Non-Vegetarian | FL1021       | HT1041   |
 20-06-24       |
| IT1020       | Cultural Tour in Paris |   6000 | France  | Île-de-France | Paris |    4.5 | 3               | Vegan          | FL1021       | HT1041   |
 20-12-25       |
| IT1031       | Exploring Paris       |   8500 | France  | Île-de-France | Paris |    4.7 | 2               | Vegan          | FL1021       | HT1041   |
 20-11-26       |
| IT1041       | Adventure in Paris    |   7500 | France  | Île-de-France | Paris |    4.4 | 2               | Non-Vegetarian | FL1021       | HT1041   |
 15-09-27       |
+--------------+-----------------------+--------+---------+---------------+-------+--------+-----------------+----------------+-------------+----------+
---------------+
8 rows in set (0.001 sec)
```

Q30.

```
MariaDB [dbms]> SELECT * FROM User_Preference WHERE Budget > 1500 AND Rating BETWEEN 3 AND 5;
+---------+--------+----------------+----------+--------+-----------------+----------------+----------------------+-----------+
| User_Id | Budget | Country        | Climate  | Rating | No_Of_Travellers | FoodPreference | Transport_Preference | No_Of_Days |
+---------+--------+----------------+----------+--------+-----------------+----------------+----------------------+-----------+
| USR1011 |   7500 | Italy          | Moderate |    4.5 | 2               | Non-Vegetarian | Flight               |          7 |
| USR1012 |   8500 | South Korea    | Mild     |    4.4 | 1               | Vegetarian     | Flight               |          8 |
| USR1013 |   9000 | Germany        | Moderate |    4.7 | 2               | Seafood        | Flight               |          9 |
| USR1014 |   7000 | Brazil         | Tropical |    4.6 | 2               | Non-Vegetarian | Flight               |          6 |
| USR1015 |   8000 | Russia         | Cold     |    4.3 | 1               | Vegan          | Flight               |          7 |
| USR1016 |   9500 | New Zealand    | Mild     |    4.8 | 2               | Non-Vegetarian | Flight               |         10 |
| USR1017 |   6000 | Sweden         | Cold     |    4.2 | 4               | Seafood        | Train                |          5 |
| USR1018 |   7000 | Norway         | Cold     |    4.6 | 2               | Vegetarian     | Train                |          6 |
| USR1019 |   8500 | Denmark        | Cold     |    4.4 | 1               | Non-Vegetarian | Flight               |          8 |
| USR1020 |   8000 | Argentina      | Mild     |    4.5 | 2               | Vegetarian     | Flight               |          7 |
| USR1021 |   7500 | Portugal       | Moderate |    4.3 | 1               | Vegan          | Flight               |          6 |
| USR1022 |   9000 | Finland        | Cold     |    4.7 | 2               | Non-Vegetarian | Flight               |          9 |
| USR1023 |   8500 | United Kingdom | Mild     |    4.6 | 1               | Non-Vegetarian | Flight               |          8 |
| USR1024 |   7000 | Switzerland    | Moderate |    4.5 | 1               | Vegetarian     | Train                |          6 |
| USR1025 |   9500 | Ireland        | Mild     |    4.8 | 2               | Seafood        | Flight               |         10 |
| USR1026 |   8000 | Austria        | Moderate |    4.4 | 2               | Vegan          | Flight               |          7 |
| USR1027 |   7500 | Singapore      | Tropical |    4.3 | 1               | Non-Vegetarian | Flight               |          6 |
| USR1028 |   7000 | Malaysia       | Tropical |    4.6 | 2               | Non-Vegetarian | Flight               |          6 |
| USR1029 |   9000 | China          | Mild     |    4.7 | 2               | Seafood        | Flight               |          8 |
| USR1030 |   8000 | Turkey         | Moderate |    4.5 | 1               | Vegetarian     | Flight               |          7 |
| USR1031 |   8500 | Maldives       | Tropical |    4.6 | 2               | Vegan          | Flight               |          8 |
| USR1032 |   7500 | Greece         | Moderate |    4.4 | 1               | Vegetarian     | Flight               |          6 |
| USR1033 |   9000 | Sri Lanka      | Tropical |    4.7 | 2               | Non-Vegetarian | Flight               |          8 |
| USR1034 |   8500 | Philippines    | Tropical |    4.5 | 1               | Vegan          | Flight               |          7 |
| USR1035 |   7000 | Egypt          | Hot      |    4.3 | 1               | Non-Vegetarian | Flight               |          6 |
| USR1036 |   9500 | Peru           | Mild     |    4.6 | 2               | Seafood        | Flight               |          8 |
| USR1037 |   8000 | Chile          | Mild     |    4.4 | 2               | Vegetarian     | Flight               |          7 |
| USR1038 |   7500 | Costa Rica     | Tropical |    4.3 | 1               | Non-Vegetarian | Flight               |          6 |
| USR1039 |   9000 | Canada         | Cold     |    4.7 | 2               | Vegan          | Flight               |          8 |
| USR1040 |   8500 | Iceland        | Cold     |    4.6 | 1               | Non-Vegetarian | Flight               |          8 |
| USR1041 |   7000 | Scotland       | Mild     |    4.5 | 1               | Seafood        | Train                |          6 |
| USR1042 |   9500 | Australia      | Mild     |    4.8 | 2               | Vegan          | Flight               |         10 |
| USR1043 |   8000 | Germany        | Moderate |    4.4 | 2               | Non-Vegetarian | Flight               |          7 |
| USR1044 |   7500 | Spain          | Moderate |    4.3 | 1               | Vegetarian     | Flight               |          6 |
| USR1045 |   7000 | France         | Mild     |    4.6 | 2               | Vegan          | Flight               |          6 |
```

Q31. Show bills paid via PayPal with an amount greater than 200

```
MariaDB [dbms]> SELECT * FROM Bill WHERE Payment_method = 'PayPal' AND Amount > 200;
+---------+--------+----------+----------------+---------+
| Bill_no | Amount | Date     | Payment_method | User_Id |
+---------+--------+----------+----------------+---------+
| BL1004  |   8000 | 05-08-24 | PayPal         | USR1004 |
| BL1009  |   9000 | 20-01-25 | PayPal         | USR1009 |
| BL1014  |   9500 | 10-06-25 | PayPal         | USR1014 |
| BL1019  |   9000 | 05-11-25 | PayPal         | USR1019 |
| BL1024  |   8000 | 20-04-26 | PayPal         | USR1024 |
| BL1029  |   7000 | 10-09-26 | PayPal         | USR1029 |
| BL1034  |   7500 | 20-02-27 | PayPal         | USR1034 |
| BL1039  |   9500 | 05-07-27 | PayPal         | USR1039 |
| BL1044  |   9500 | 20-12-27 | PayPal         | USR1044 |
| BL1049  |   7000 | 10-05-28 | PayPal         | USR1049 |
| BL1004  |   8000 | 05-08-24 | PayPal         | USR1004 |
| BL1009  |   9000 | 20-01-25 | PayPal         | USR1009 |
| BL1014  |   9500 | 10-06-25 | PayPal         | USR1014 |
| BL1019  |   9000 | 05-11-25 | PayPal         | USR1019 |
| BL1024  |   8000 | 20-04-26 | PayPal         | USR1024 |
| BL1029  |   7000 | 10-09-26 | PayPal         | USR1029 |
| BL1034  |   7500 | 20-02-27 | PayPal         | USR1034 |
| BL1039  |   9500 | 05-07-27 | PayPal         | USR1039 |
| BL1044  |   9500 | 20-12-27 | PayPal         | USR1044 |
| BL1049  |   7000 | 10-05-28 | PayPal         | USR1049 |
+---------+--------+----------+----------------+---------+
20 rows in set (0.001 sec)
```

Q32.

```
MariaDB [dbms]> SELECT * FROM Admin WHERE (Role = 'Owner' OR Role = 'Manager') AND DATE(STR_TO_DATE(SUBSTRING(Admin_id, 4, 6), '%y%m%d')) > '2023-01-01';
+----------+--------------+-----------+---------+
| Admin_id | Name         | Password  | Role    |
+----------+--------------+-----------+---------+
| A1025    | Suresh Tiwari | u8#p2K@5m | Owner   |
| A1026    | Meena Singh   | 5H@p8zX2k | Manager |
| A1028    | Geeta Patel   | #4U@n3z%w | Owner   |
| A1029    | Alok Dubey    | q7V#n9z*W | Manager |
| A1031    | Anand Joshi   | 3F@z!5y6x | Owner   |
| A1032    | Madhuri Gupta | 9U@z$7y1% | Manager |
| A1034    | Pallavi Mohan | 4F@x8L!7Y | Owner   |
| A1035    | Ganesh Iyer   | #8D@f5r1K | Manager |
| A1037    | Prakash Patel | %3k@9q2N* | Owner   |
| A1038    | Jyoti Mishra  | 5X@y4K!v3 | Manager |
| A1040    | Sarika Singh  | 6Z#n@2g7P | Owner   |
| A1041    | Aditya Mehra  | 2G@m!4y7J | Manager |
| A1043    | Rahul Tiwari  | 3T@g9n8Q$ | Owner   |
| A1044    | Neelam Rao    | 8M%r@5s9Z | Manager |
| A1046    | Juhi Patel    | v$6t@8j3Q | Owner   |
| A1047    | Amar Singh    | #3X@v9m7G | Manager |
| A1049    | Deepak Verma  | 9K@q3m2Jv | Owner   |
| A1025    | Suresh Tiwari | u8#p2K@5m | Owner   |
| A1026    | Meena Singh   | 5H@p8zX2k | Manager |
| A1028    | Geeta Patel   | #4U@n3z%w | Owner   |
| A1029    | Alok Dubey    | q7V#n9z*W | Manager |
| A1031    | Anand Joshi   | 3F@z!5y6x | Owner   |
| A1032    | Madhuri Gupta | 9U@z$7y1% | Manager |
| A1034    | Pallavi Mohan | 4F@x8L!7Y | Owner   |
| A1035    | Ganesh Iyer   | #8D@f5r1K | Manager |
| A1037    | Prakash Patel | %3k@9q2N* | Owner   |
| A1038    | Jyoti Mishra  | 5X@y4K!v3 | Manager |
| A1040    | Sarika Singh  | 6Z#n@2g7P | Owner   |
| A1041    | Aditya Mehra  | 2G@m!4y7J | Manager |
| A1043    | Rahul Tiwari  | 3T@g9n8Q$ | Owner   |
| A1044    | Neelam Rao    | 8M%r@5s9Z | Manager |
| A1046    | Juhi Patel    | v$6t@8j3Q | Owner   |
| A1047    | Amar Singh    | #3X@v9m7G | Manager |
| A1049    | Deepak Verma  | 9K@q3m2Jv | Owner   |
+----------+--------------+-----------+---------+
34 rows in set (0.001 sec)
```

Q33. List users who prefer 'Cold' climate, have a budget over 1000, and travel with more than 3 travelers.

```
MariaDB [dbms]> SELECT * FROM User_Preference WHERE Climate = 'Cold' AND Budget > 1000 AND No_Of_Travellers > 3;
+----------+--------+---------+---------+--------+-------------------+----------------+----------------------+-------------+
| User_Id  | Budget | Country | Climate | Rating | No_Of_Travellers  | FoodPreference | Transport_Preference | No_Of_Days  |
+----------+--------+---------+---------+--------+-------------------+----------------+----------------------+-------------+
| USR1017  |   6000 | Sweden  | Cold    |    4.2 | 4                 | Seafood        | Train                |           5 |
+----------+--------+---------+---------+--------+-------------------+----------------+----------------------+-------------+
1 row in set (0.000 sec)
```

Q34. Provide tourist places located in countries with names containing 'United Kingdom' and cities starting with 'S'.

```
MariaDB [dbms]> SELECT * FROM Transport_Type WHERE NameOfProvider = 'Scania' AND Fare > 500 AND TypeOfVehicle = 'Bus';
+--------------+-----------------+------+---------------+
| Transport_id | NameOfProvider  | Fare | TypeOfVehicle |
+--------------+-----------------+------+---------------+
| T1024        | Scania          | 1400 | Bus           |
+--------------+-----------------+------+---------------+
1 row in set (0.000 sec)
```

Q35. List itineraries with a budget more than ?5000, traveling to the 'United Kingdom' with a rating above 4 stars.

```
MariaDB [dbms]> SELECT * FROM Itinerary WHERE Budget > 5000 AND Country = 'United Kingdom' AND Rating > 4;
+-------------+---------------------+--------+---------------+---------+--------+--------+-----------------+---------------+-------------+----------+
---------------+
| Itinerary_id | Title               | Budget | Country       | State   | City   | Rating | No_Of_Travellers | FoodPreference | Transport_id | Hotel_id |
 Date_Of_Travel |
+-------------+---------------------+--------+---------------+---------+--------+--------+-----------------+---------------+-------------+----------+
---------------+
| IT1030       | Sightseeing in London |   8000 | United Kingdom | England | London |    4.6 | 1               | Vegetarian     | FL1023       | HT1052   |
 05-10-26       |
| IT1043       | Holiday in London     |   8500 | United Kingdom | England | London |    4.7 | 2               | Vegetarian     | FL1023       | HT1052   |
 05-11-27       |
| IT1030       | Sightseeing in London |   8000 | United Kingdom | England | London |    4.6 | 1               | Vegetarian     | FL1023       | HT1052   |
 05-10-26       |
| IT1043       | Holiday in London     |   8500 | United Kingdom | England | London |    4.7 | 2               | Vegetarian     | FL1023       | HT1052   |
 05-11-27       |
+-------------+---------------------+--------+---------------+---------+--------+--------+-----------------+---------------+-------------+----------+
---------------+
4 rows in set (0.000 sec)
```

Q36. Display user preferences for destinations with a budget over ?1000, a rating above 3 stars, and no preference for food.

```
MariaDB [dbms]> SELECT * FROM User_Preference WHERE Budget > 1000 AND Rating > 3 AND FoodPreference = 'Vegetarian';
+---------+--------+-------------+----------+--------+-----------------+----------------+----------------------+------------+
| User_Id | Budget | Country     | Climate  | Rating | No_Of_Travellers | FoodPreference | Transport_Preference | No_Of_Days |
+---------+--------+-------------+----------+--------+-----------------+----------------+----------------------+------------+
| USR1012 |   8500 | South Korea | Mild     |    4.4 | 1               | Vegetarian     | Flight               |          8 |
| USR1018 |   7000 | Norway      | Cold     |    4.6 | 2               | Vegetarian     | Train                |          6 |
| USR1020 |   8000 | Argentina   | Mild     |    4.5 | 2               | Vegetarian     | Flight               |          7 |
| USR1024 |   7000 | Switzerland | Moderate |    4.5 | 1               | Vegetarian     | Train                |          6 |
| USR1030 |   8000 | Turkey      | Moderate |    4.5 | 1               | Vegetarian     | Flight               |          7 |
| USR1032 |   7500 | Greece      | Moderate |    4.4 | 1               | Vegetarian     | Flight               |          6 |
| USR1037 |   8000 | Chile       | Mild     |    4.4 | 2               | Vegetarian     | Flight               |          7 |
| USR1044 |   7500 | Spain       | Moderate |    4.3 | 1               | Vegetarian     | Flight               |          6 |
| USR1050 |   8000 | India       | Tropical |    4.4 | 2               | Vegetarian     | Train                |          7 |
+---------+--------+-------------+----------+--------+-----------------+----------------+----------------------+------------+
9 rows in set (0.000 sec)
```

Q37. Display user preferences for destinations with a budget over ?2000 and a rating above 4 stars, traveling with more than 2 travelers.

```
MariaDB [dbms]> SELECT * FROM User_Preference WHERE Budget > 2000 AND Rating > 4 AND No_Of_Travellers > 2;
+---------+--------+---------+---------+--------+-----------------+----------------+----------------------+------------+
| User_Id | Budget | Country | Climate | Rating | No_Of_Travellers | FoodPreference | Transport_Preference | No_Of_Days |
+---------+--------+---------+---------+--------+-----------------+----------------+----------------------+------------+
| USR1017 |   6000 | Sweden  | Cold    |    4.2 | 4               | Seafood        | Train                |          5 |
+---------+--------+---------+---------+--------+-----------------+----------------+----------------------+------------+
1 row in set (0.001 sec)
```

Q38. Display transport options provided by 'Emirates' with a fare less than ?100 and vehicle type 'Train'.

```
MariaDB [dbms]> SELECT * FROM Transport_Type WHERE NameOfProvider = 'Emirates' AND Fare > 10000 AND TypeOfVehicle = 'Flight'
+--------------+----------------+-------+---------------+
| Transport_id | NameOfProvider | Fare  | TypeOfVehicle |
+--------------+----------------+-------+---------------+
| T1009        | Emirates       | 75000 | Flight        |
| T1039        | Emirates       | 75000 | Flight        |
+--------------+----------------+-------+---------------+
2 rows in set (0.001 sec)
```

Q39. Show user accounts with a wallet balance over ?1000 and registered after January 1, 2022.

```
MariaDB [dbms]> SELECT * FROM User_Account WHERE Wallet > 1000 AND Doj > '2022-01-01';
+------------+----------+--------+---------+
| Account_Id | Doj      | Wallet | User_Id |
+------------+----------+--------+---------+
| A1002      | 21-08-19 |   7500 | U1002   |
| A1005      | 30-11-23 |   6000 | U1005   |
| A1007      | 25-12-19 |   5500 | U1007   |
| A1012      | 27-05-19 |   4800 | U1012   |
| A1016      | 30-01-20 |   5700 | U1016   |
| A1018      | 25-09-21 |   4600 | U1018   |
| A1026      | 24-04-20 |   6200 | U1026   |
| A1028      | 28-11-21 |   4900 | U1028   |
| A1033      | 29-10-21 |   7000 | U1033   |
| A1035      | 22-05-23 |   6500 | U1035   |
| A1038      | 25-12-21 |   5200 | U1038   |
| A1041      | 28-06-20 |   3900 | U1041   |
| A1046      | 22-03-20 |   5000 | U1046   |
| A1048      | 27-01-21 |   4300 | U1048   |
+------------+----------+--------+---------+
14 rows in set (0.001 sec)
```

Q40.

```
MariaDB [dbms]> SELECT * FROM Tourist_Places WHERE (Country = 'France' OR Country = 'India') AND City LIKE 'B%';
+--------+---------+-----------+-------------+
| Id     | Country | State     | City        |
+--------+---------+-----------+-------------+
| TP1003 | India   | Karnataka | Bangalore   |
| TP1018 | India   | Odisha    | Bhubaneswar |
+--------+---------+-----------+-------------+
2 rows in set (0.000 sec)
```

Q41. Show planned itineraries with a budget over 2000 and traveling to 'Japan'.

```
MariaDB [dbms]> SELECT * FROM Itinerary WHERE Budget > 2000 AND Country = 'Japan';
+--------------+----------------------+--------+---------+-------+-------+--------+-----------------+----------------
+--------------+----------+----------------+
| Itinerary_id | Title                | Budget | Country | State | City  | Rating | No_Of_Travellers | FoodPreference
| Transport_id | Hotel_id | Date_Of_Travel |
+--------------+----------------------+--------+---------+-------+-------+--------+-----------------+----------------
+--------------+----------+----------------+
| IT1005       | Adventure in Tokyo   |   7000 | Japan   | Tokyo | Tokyo |    4.7 | 2               | Vegetarian
| FL1025       | HT1024   | 15-09-24       |
| IT1029       | Holiday in Tokyo     |   7500 | Japan   | Tokyo | Tokyo |    4.4 | 1               | Non-Vegetarian
| FL1025       | HT1024   | 10-09-26       |
| IT1045       | Cultural Tour in Tokyo |   9000 | Japan   | Tokyo | Tokyo |    4.5 | 2               | Vegan
| FL1025       | HT1024   | 15-01-28       |
| IT1005       | Adventure in Tokyo   |   7000 | Japan   | Tokyo | Tokyo |    4.7 | 2               | Vegetarian
| FL1025       | HT1024   | 15-09-24       |
| IT1029       | Holiday in Tokyo     |   7500 | Japan   | Tokyo | Tokyo |    4.4 | 1               | Non-Vegetarian
| FL1025       | HT1024   | 10-09-26       |
| IT1045       | Cultural Tour in Tokyo |   9000 | Japan   | Tokyo | Tokyo |    4.5 | 2               | Vegan
| FL1025       | HT1024   | 15-01-28       |
+--------------+----------------------+--------+---------+-------+-------+--------+-----------------+----------------
+--------------+----------+----------------+
6 rows in set (0.001 sec)
```

Q42. Provide itineraries with a budget less than 8000 and traveling to 'France' or 'Germany'.

```
MariaDB [dbms]> SELECT * FROM Itinerary WHERE Budget < 8000 AND (Country = 'France' OR Country = 'United States');
+--------------+----------------------+--------+---------+----------------+-------+--------+-----------------+-------
---------+--------------+----------+----------------+
| Itinerary_id | Title                | Budget | Country | State          | City  | Rating | No_Of_Travellers | FoodPr
eference | Transport_id | Hotel_id | Date_Of_Travel |
+--------------+----------------------+--------+---------+----------------+-------+--------+-----------------+-------
---------+--------------+----------+----------------+
| IT1020       | Cultural Tour in Paris |   6000 | France  | Île-de-France  | Paris |    4.5 | 3               | Vegan
         | FL1021       | HT1041   | 20-12-25       |
| IT1041       | Adventure in Paris   |   7500 | France  | Île-de-France  | Paris |    4.4 | 2               | Non-Ve
getarian | FL1021       | HT1041   | 15-09-27       |
| IT1020       | Cultural Tour in Paris |   6000 | France  | Île-de-France  | Paris |    4.5 | 3               | Vegan
         | FL1021       | HT1041   | 20-12-25       |
| IT1041       | Adventure in Paris   |   7500 | France  | Île-de-France  | Paris |    4.4 | 2               | Non-Ve
getarian | FL1021       | HT1041   | 15-09-27       |
+--------------+----------------------+--------+---------+----------------+-------+--------+-----------------+-------
---------+--------------+----------+----------------+
4 rows in set (0.001 sec)
```

Q43. Retrieve all records from the User_Account table where the wallet balance is greater than 500 and registered after January 1, 2023.

```
MariaDB [dbms]> SELECT * FROM User_Account WHERE Wallet > 500 AND Doj > '2023-01-01';
+------------+----------+--------+---------+
| Account_Id | Doj      | Wallet | User_Id |
+------------+----------+--------+---------+
| A1002      | 21-08-19 |   7500 | U1002   |
| A1005      | 30-11-23 |   6000 | U1005   |
| A1007      | 25-12-19 |   5500 | U1007   |
| A1012      | 27-05-19 |   4800 | U1012   |
| A1016      | 30-01-20 |   5700 | U1016   |
| A1018      | 25-09-21 |   4600 | U1018   |
| A1026      | 24-04-20 |   6200 | U1026   |
| A1028      | 28-11-21 |   4900 | U1028   |
| A1033      | 29-10-21 |   7000 | U1033   |
| A1035      | 22-05-23 |   6500 | U1035   |
| A1038      | 25-12-21 |   5200 | U1038   |
| A1041      | 28-06-20 |   3900 | U1041   |
| A1046      | 22-03-20 |   5000 | U1046   |
| A1048      | 27-01-21 |   4300 | U1048   |
+------------+----------+--------+---------+
14 rows in set (0.002 sec)
```

Q44. Retrieve all records from the Bill table where the payment method is 'Cash' and the amount is less than ?50.

```
MariaDB [dbms]> SELECT * FROM Bill WHERE Payment_method = 'Cash' AND Amount < 10000;
+---------+--------+----------+----------------+---------+
| Bill_no | Amount | Date     | Payment_method | User_Id |
+---------+--------+----------+----------------+---------+
| BL1005  |   6500 | 15-09-24 | Cash           | USR1005 |
| BL1010  |   8000 | 15-02-25 | Cash           | USR1010 |
| BL1015  |   8000 | 05-07-25 | Cash           | USR1015 |
| BL1020  |   7500 | 20-12-25 | Cash           | USR1020 |
| BL1025  |   6000 | 10-05-26 | Cash           | USR1025 |
| BL1030  |   9500 | 05-10-26 | Cash           | USR1030 |
| BL1035  |   9000 | 15-03-27 | Cash           | USR1035 |
| BL1040  |   8500 | 20-08-27 | Cash           | USR1040 |
| BL1045  |   8500 | 15-01-28 | Cash           | USR1045 |
| BL1050  |   9500 | 05-06-28 | Cash           | USR1050 |
| BL1005  |   6500 | 15-09-24 | Cash           | USR1005 |
| BL1010  |   8000 | 15-02-25 | Cash           | USR1010 |
| BL1015  |   8000 | 05-07-25 | Cash           | USR1015 |
| BL1020  |   7500 | 20-12-25 | Cash           | USR1020 |
| BL1025  |   6000 | 10-05-26 | Cash           | USR1025 |
| BL1030  |   9500 | 05-10-26 | Cash           | USR1030 |
| BL1035  |   9000 | 15-03-27 | Cash           | USR1035 |
| BL1040  |   8500 | 20-08-27 | Cash           | USR1040 |
| BL1045  |   8500 | 15-01-28 | Cash           | USR1045 |
| BL1050  |   9500 | 05-06-28 | Cash           | USR1050 |
+---------+--------+----------+----------------+---------+
20 rows in set (0.001 sec)
```

Q45. Retrieve all records from the Tourist_Places table where the country is either 'France' or 'Germany' and the city starts with 'B'.

```
MariaDB [dbms]> SELECT * FROM Tourist_Places WHERE (Country = 'France' OR Country = 'Germany') AND City LIKE 'B%';
+---------+---------+--------+--------+
| Id      | Country | State  | City   |
+---------+---------+--------+--------+
| TP1035 | Germany | Berlin | Berlin |
+---------+---------+--------+--------+
1 row in set (0.001 sec)
```

Q47. Retrieve all records from the Admin table where the role is 'Owner' and the name contains 'David'.

```
MariaDB [dbms]> SELECT * FROM Admin WHERE Role = 'Owner' AND Name LIKE '%D%';
+----------+-----------------+-----------+-------+
| Admin_id | Name            | Password  | Role  |
+----------+-----------------+-----------+-------+
| A1004    | Deepika Sharma  | Q7^T@g*1K | Owner |
| A1010    | Sunita Reddy    | y$F&5u@4m | Owner |
| A1013    | Aditya Yedurkar | aditya    | Owner |
| A1031    | Anand Joshi     | 3F@z!5y6x | Owner |
| A1049    | Deepak Verma    | 9K@q3m2Jv | Owner |
| A1004    | Deepika Sharma  | Q7^T@g*1K | Owner |
| A1010    | Sunita Reddy    | y$F&5u@4m | Owner |
| A1013    | Aditya Yedurkar | aditya    | Owner |
| A1031    | Anand Joshi     | 3F@z!5y6x | Owner |
| A1049    | Deepak Verma    | 9K@q3m2Jv | Owner |
+----------+-----------------+-----------+-------+
10 rows in set (0.001 sec)
```

Q48.

```
MariaDB [dbms]> SELECT * FROM Transport_Type WHERE NameOfProvider = 'Volvo' AND Fare > 50 AND TypeOfVehicle = 'Bus';
+--------------+----------------+------+---------------+
| Transport_id | NameOfProvider | Fare | TypeOfVehicle |
+--------------+----------------+------+---------------+
| T1021        | Volvo          | 1200 | Bus           |
+--------------+----------------+------+---------------+
1 row in set (0.001 sec)
```

Q49.

```
MariaDB [dbms]> SELECT * FROM User_Preference WHERE Climate = 'Cold' AND Budget > 1000 AND No_Of_Travellers > 3;
+---------+--------+---------+---------+--------+------------------+----------------+----------------------+------------
+
| User_Id | Budget | Country | Climate | Rating | No_Of_Travellers | FoodPreference | Transport_Preference | No_Of_Days
|
+---------+--------+---------+---------+--------+------------------+----------------+----------------------+------------
+
| USR1017 |   6000 | Sweden  | Cold    |    4.2 | 4                | Seafood        | Train                |          5
|
+---------+--------+---------+---------+--------+------------------+----------------+----------------------+------------
+
1 row in set (0.003 sec)
```

Q50.

```
MariaDB [dbms]> -- 93. Display user preferences for destinations with a budget over ?1000, a rating above 3 stars, and no preference for food.
MariaDB [dbms]> SELECT * FROM User_Preference WHERE Budget > 1000 AND Rating > 3 AND FoodPreference = 'Vegetarian';
+---------+--------+-------------+----------+--------+------------------+----------------+----------------------+------------+
| User_Id | Budget | Country     | Climate  | Rating | No_Of_Travellers | FoodPreference | Transport_Preference | No_Of_Days |
+---------+--------+-------------+----------+--------+------------------+----------------+----------------------+------------+
| USR1012 |   8500 | South Korea | Mild     |    4.4 | 1                | Vegetarian     | Flight               |          8 |
| USR1018 |   7000 | Norway      | Cold     |    4.6 | 2                | Vegetarian     | Train                |          6 |
| USR1020 |   8000 | Argentina   | Mild     |    4.5 | 2                | Vegetarian     | Flight               |          7 |
| USR1024 |   7000 | Switzerland | Moderate |    4.5 | 1                | Vegetarian     | Train                |          6 |
| USR1030 |   8000 | Turkey      | Moderate |    4.5 | 1                | Vegetarian     | Flight               |          7 |
| USR1032 |   7500 | Greece      | Moderate |    4.4 | 1                | Vegetarian     | Flight               |          6 |
| USR1037 |   8000 | Chile       | Mild     |    4.4 | 2                | Vegetarian     | Flight               |          7 |
| USR1044 |   7500 | Spain       | Moderate |    4.3 | 1                | Vegetarian     | Flight               |          6 |
| USR1050 |   8000 | India       | Tropical |    4.4 | 2                | Vegetarian     | Train                |          7 |
+---------+--------+-------------+----------+--------+------------------+----------------+----------------------+------------+
9 rows in set (0.000 sec)
```

Q51.

```
MariaDB [dbms]> SELECT * FROM User_Preference WHERE Budget > 2000 AND Rating > 4 AND No_Of_Travellers > 2;
+---------+--------+---------+---------+--------+-----------------+----------------+----------------------+------------+
| User_Id | Budget | Country | Climate | Rating | No_Of_Travellers | FoodPreference | Transport_Preference | No_Of_Days |
+---------+--------+---------+---------+--------+-----------------+----------------+----------------------+------------+
| USR1017 |   6000 | Sweden  | Cold    |    4.2 | 4               | Seafood        | Train                |          5 |
+---------+--------+---------+---------+--------+-----------------+----------------+----------------------+------------+
1 row in set (0.001 sec)
```

Q52.

```
MariaDB [dbms]> SELECT * FROM Transport_Type WHERE NameOfProvider = 'Emirates' AND Fare > 100 AND TypeOfVehicle = 'Flight';
+--------------+----------------+-------+---------------+
| Transport_id | NameOfProvider | Fare  | TypeOfVehicle |
+--------------+----------------+-------+---------------+
| T1009        | Emirates       | 75000 | Flight        |
| T1039        | Emirates       | 75000 | Flight        |
+--------------+----------------+-------+---------------+
2 rows in set (0.001 sec)
```

Q53. Show hotels with a rating above 4 stars and located in 'London' or 'Rome', with more than 100 rooms.

```
MariaDB [dbms]> SELECT * FROM Hotel WHERE Rating > 4 AND No_Of_Rooms > 100;
+----------+------------------------------+-------------+------+--------------------+--------+
| Hotel_id | Name                         | No_Of_Rooms | Cost | Address            | Rating |
+----------+------------------------------+-------------+------+--------------------+--------+
| H1001    | Grand Hyatt                  |         200 | 5000 | Mumbai             |    8.5 |
| H1002    | Taj Palace                   |         150 | 6000 | Delhi              |      9 |
| H1003    | Marriott Marquis             |         180 | 5500 | Bengaluru          |    8.7 |
| H1004    | Hilton                       |         220 | 4800 | Chennai            |    8.2 |
| H1005    | InterContinental             |         190 | 5200 | Kolkata            |    8.4 |
| H1006    | The Oberoi                   |         210 | 5100 | Jaipur             |    8.8 |
| H1007    | ITC Grand Chola              |         240 | 4700 | Hyderabad          |    8.3 |
| H1008    | Leela Palace                 |         230 | 4900 | Pune               |    8.6 |
| H1009    | Radisson Blu                 |         170 | 5700 | Ahmedabad          |    8.1 |
| H1010    | Hyatt Regency                |         200 | 5400 | Lucknow            |    8.9 |
| H1011    | The Ritz-Carlton             |         250 | 4600 | Goa                |      8 |
| H1012    | Novotel                      |         160 | 6200 | Chandigarh         |    9.1 |
| H1013    | Four Seasons                 |         190 | 5300 | Nagpur             |    8.7 |
| H1014    | Westin                       |         210 | 5100 | Indore             |    8.4 |
| H1015    | Shangri-La                   |         180 | 5800 | Varanasi           |    8.6 |
| H1016    | Le Meridien                  |         220 | 5000 | Dehradun           |    8.2 |
| H1017    | DoubleTree                   |         200 | 5600 | Bhopal             |    8.5 |
| H1018    | Crowne Plaza                 |         190 | 5900 | Gurugram           |    8.8 |
| H1019    | JW Marriott                  |         240 | 4800 | Ludhiana           |    8.3 |
| H1020    | Trident                      |         230 | 5200 | Raipur             |    8.7 |
| H1021    | The Leela                    |         170 | 5700 | Vadodara           |    8.2 |
| H1022    | Holiday Inn                  |         200 | 5400 | Ranchi             |    8.9 |
| H1023    | Park Hyatt                   |         250 | 4600 | Visakhapatnam      |      8 |
| H1024    | Grand Mercure                |         160 | 6200 | Puducherry         |    9.1 |
| H1025    | Aloft                        |         190 | 5300 | Kochi              |    8.7 |
| H1026    | Hotel Formule1               |         210 | 5100 | Mysuru             |    8.4 |
| H1027    | ibis                         |         180 | 5800 | Thiruvananthapuram |    8.6 |
| H1028    | The Lalit                    |         220 | 5000 | Bhubaneswar        |    8.2 |
| H1029    | Radisson                     |         200 | 5600 | Aurangabad         |    8.5 |
| H1030    | Renaissance                  |         190 | 5900 | Surat              |    8.8 |
| H1031    | ITC Maurya                   |         230 | 5200 | Patna              |    8.7 |
| H1032    | The Westin                   |         170 | 5700 | Jodhpur            |    8.2 |
| H1033    | Taj Bengal                   |         200 | 5400 | Kanpur             |    8.9 |
| H1034    | Le Méridien                  |         250 | 4600 | Gwalior            |      8 |
| H1035    | Hotel Sahara Star            |         160 | 6200 | Amritsar           |    9.1 |
| H1036    | The Gateway Hotel            |         190 | 5300 | Nashik             |    8.7 |
| H1037    | Hyatt Pune                   |         210 | 5100 | Kolhapur           |    8.4 |
| H1038    | Hilton Mumbai                |         180 | 5800 | Jabalpur           |    8.6 |
| H1039    | Taj Lands End                |         220 | 5000 | Allahabad          |    8.2 |
| H1040    | The St. Regis                |         200 | 5600 | Rajkot             |    8.5 |
| H1041    | Le Méridien                  |         190 | 5900 | Guwahati           |    8.8 |
| H1042    | The Ritz-Carlton             |         230 | 5200 | Rourkela           |    8.7 |
| H1043    | Oberoi Grand                 |         170 | 5700 | Hisar              |    8.2 |
| H1044    | ITC Sonar                    |         200 | 5400 | Ramgarh            |    8.9 |
| H1045    | The Oberoi Cecil             |         250 | 4600 | Kharagpur          |      8 |
| H1046    | Hotel Trident                |         200 | 5500 | Panchkula          |    8.4 |
| H1047    | The Lalit Great Eastern      |         220 | 5200 | Siliguri           |    8.6 |
| H1048    | Crowne Plaza Jaipur Tonk Road |         210 | 5300 | Jaipur             |    8.5 |
| H1049    | Hyatt Ahmedabad              |         190 | 5700 | Ahmedabad          |    8.7 |
+----------+------------------------------+-------------+------+--------------------+--------+
98 rows in set (0.001 sec)
```

Q54.

Transport_id	NameOfProvider	Fare	TypeOfVehicle
T1024	Scania	1400	Bus

1 row in set (0.000 sec)

Q55.

Admin_id	Name	Password	Role
A1025	Suresh Tiwari	u8#p2K@5m	Owner
A1026	Meena Singh	5H@p8zX2k	Manager
A1028	Geeta Patel	#4U@n3z%w	Owner
A1029	Alok Dubey	q7V#n9z*W	Manager
A1031	Anand Joshi	3F@z!5y6x	Owner
A1032	Madhuri Gupta	9U@z$7y1%	Manager
A1034	Pallavi Mohan	4F@x8L!7Y	Owner
A1035	Ganesh Iyer	#8D@f5r1K	Manager
A1037	Prakash Patel	%3k@9q2N*	Owner
A1038	Jyoti Mishra	5X@y4K!v3	Manager
A1040	Sarika Singh	6Z#n@2g7P	Owner
A1041	Aditya Mehra	2G@m!4y7J	Manager
A1043	Rahul Tiwari	3T@g9n8Q$	Owner
A1044	Neelam Rao	8M%r@5s9Z	Manager
A1046	Juhi Patel	v$6t@8j3Q	Owner
A1047	Amar Singh	#3X@v9m7G	Manager
A1049	Deepak Verma	9K@q3m2Jv	Owner
A1050	Rajni Kapoor	4R@m5J&8W	Manager

18 rows in set (0.000 sec)

Q56.

```
+---------+----------------------+-------+-------+
| Id      | Country              | State | City  |
+---------+----------------------+-------+-------+
| TP1036 | United Arab Emirates | Dubai | Dubai |
+---------+----------------------+-------+-------+
1 row in set (0.001 sec)
```

Q57.

```
+---------+--------+-------------+----------+--------+-----------------+----------------+----------------------+------------+
| User_Id | Budget | Country     | Climate  | Rating | No_Of_Travellers | FoodPreference | Transport_Preference | No_Of_Days |
+---------+--------+-------------+----------+--------+-----------------+----------------+----------------------+------------+
| USR1012 |   8500 | South Korea | Mild     |    4.4 | 1               | Vegetarian     | Flight               |          8 |
| USR1018 |   7000 | Norway      | Cold     |    4.6 | 2               | Vegetarian     | Train                |          6 |
| USR1020 |   8000 | Argentina   | Mild     |    4.5 | 2               | Vegetarian     | Flight               |          7 |
| USR1024 |   7000 | Switzerland | Moderate |    4.5 | 1               | Vegetarian     | Train                |          6 |
| USR1030 |   8000 | Turkey      | Moderate |    4.5 | 1               | Vegetarian     | Flight               |          7 |
| USR1032 |   7500 | Greece      | Moderate |    4.4 | 1               | Vegetarian     | Flight               |          6 |
| USR1037 |   8000 | Chile       | Mild     |    4.4 | 2               | Vegetarian     | Flight               |          7 |
| USR1044 |   7500 | Spain       | Moderate |    4.3 | 1               | Vegetarian     | Flight               |          6 |
| USR1050 |   8000 | India       | Tropical |    4.4 | 2               | Vegetarian     | Train                |          7 |
+---------+--------+-------------+----------+--------+-----------------+----------------+----------------------+------------+
9 rows in set (0.000 sec)
```

Q58.

```
+---------+--------+---------+---------+--------+-----------------+----------------+----------------------+------------+
| User_Id | Budget | Country | Climate | Rating | No_Of_Travellers | FoodPreference | Transport_Preference | No_Of_Days |
+---------+--------+---------+---------+--------+-----------------+----------------+----------------------+------------+
| USR1017 |   6000 | Sweden  | Cold    |    4.2 | 4               | Seafood        | Train                |          5 |
+---------+--------+---------+---------+--------+-----------------+----------------+----------------------+------------+
1 row in set (0.000 sec)
```

Q59.

```
+--------------+----------------+-------+---------------+
| Transport_id | NameOfProvider | Fare  | TypeOfVehicle |
+--------------+----------------+-------+---------------+
| T1009        | Emirates       | 75000 | Flight        |
| T1039        | Emirates       | 75000 | Flight        |
+--------------+----------------+-------+---------------+
2 rows in set (0.000 sec)
```

Q60.Show tourist places in England

```
+---------+----------------+---------+--------+
| Id      | Country        | State   | City   |
+---------+----------------+---------+--------+
| TP1023 | United Kingdom | England | London |
+---------+----------------+---------+--------+
1 row in set (0.000 sec)

Empty set (0.000 sec)
```

Q67. Show detaials of user who prefer cold climate with 5 days of travel and seafood.

```
+---------+--------+---------+---------+--------+-----------------+---------------+----------------------+------------+
| User_Id | Budget | Country | Climate | Rating | No_Of_Travellers | FoodPreference | Transport_Preference | No_Of_Days |
+---------+--------+---------+---------+--------+-----------------+---------------+----------------------+------------+
| USR1017 |   6000 | Sweden  | Cold    |    4.2 | 4               | Seafood       | Train                |          5 |
+---------+--------+---------+---------+--------+-----------------+---------------+----------------------+------------+
1 row in set (0.000 sec)
```

Q68.Show wallets with money >4k

```
+------------+----------+--------+---------+
| Account_Id | Doj      | Wallet | User_Id |
+------------+----------+--------+---------+
| A1002      | 21-08-19 |   7500 | U1002   |
| A1005      | 30-11-23 |   6000 | U1005   |
| A1007      | 25-12-19 |   5500 | U1007   |
| A1012      | 27-05-19 |   4800 | U1012   |
| A1016      | 30-01-20 |   5700 | U1016   |
| A1018      | 25-09-21 |   4600 | U1018   |
| A1026      | 24-04-20 |   6200 | U1026   |
| A1028      | 28-11-21 |   4900 | U1028   |
| A1033      | 29-10-21 |   7000 | U1033   |
| A1035      | 22-05-23 |   6500 | U1035   |
| A1038      | 25-12-21 |   5200 | U1038   |
| A1041      | 28-06-20 |   3900 | U1041   |
| A1046      | 22-03-20 |   5000 | U1046   |
| A1048      | 27-01-21 |   4300 | U1048   |
+------------+----------+--------+---------+
14 rows in set (0.000 sec)
```

Q69. Show list of all cars

Transport_id	NameOfProvider	Fare	TypeOfVehicle
T1013	Ola	2500	Car
T1014	Uber	2000	Car
T1015	Tata Motors	3000	Car
T1016	Maruti Suzuki	2800	Car
T1017	ZoomCar	3000	Car
T1018	Ford	3200	Car
T1019	Honda	2700	Car
T1020	Kia Motors	3500	Car
T1025	Toyota	2900	Car
T1026	Nissan	3100	Car
T1027	Hyundai	2600	Car
T1028	Mercedes-Benz	4000	Car
T1043	Ola	2500	Car
T1044	Uber	2000	Car
T1045	Tata Motors	3000	Car
T1046	Maruti Suzuki	2800	Car
T1047	ZoomCar	3000	Car
T1048	Ford	3200	Car
T1049	Honda	2700	Car
T1050	Kia Motors	3500	Car

20 rows in set (0.000 sec)

Q70. Provide Emirates flights whose fare is 75000

Transport_id	NameOfProvider	Fare	TypeOfVehicle
T1009	Emirates	75000	Flight
T1039	Emirates	75000	Flight

2 rows in set (0.000 sec)

Rest 30 queries have been submitted on Google Classroom.

TRIGGERS AND PROCEDURE

Triggers:
Triggers are database objects in SQL that are automatically executed or fired when certain events occur in the database. These events can include data manipulation language (DML) statements like INSERT, UPDATE, DELETE, or data definition language (DDL) statements like CREATE, ALTER, DROP.

Uses of Triggers:

- Maintaining Data Integrity: Triggers can enforce complex business rules or constraints that are not easily implemented using standard SQL constraints, ensuring data integrity.
- Auditing and Logging: Triggers can be used to log changes to specific tables, providing an audit trail for tracking data modifications.
- Enforcing Referential Integrity: Triggers can enforce referential integrity by automatically updating or deleting related data in other tables when changes are made to primary key fields.
- Automating Tasks: Triggers can automate tasks such as updating denormalized data or sending notifications based on specific database events.

Advantages of Triggers:

- Enhanced Data Integrity: Triggers ensure that data remains consistent and adheres to predefined rules, maintaining data integrity.
- Improved Security: Triggers can enforce security policies by restricting unauthorized access or actions on sensitive data.
- Automation: Triggers automate repetitive tasks, reducing the need for manual intervention and streamlining database operations.
- Scalability: Triggers can be scaled to handle large volumes of data and complex business logic without impacting performance.

Triggers :

```
1 CREATE DEFINER=`username`@`mshome` TRIGGER `admin_before_insert` BEFORE INSERT ON `admin` FOR EACH ROW BEGIN
2     IF LENGTH(NEW.Password) < 8 THEN
3         SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'Password must be at least 8 characters long';
4     END IF;
5 END
```

Figure 3.1(**Check Password Length**)

```
CREATE DEFINER=`root`@`mshome` TRIGGER `bill_after_insert` AFTER INSERT ON `bill` FOR EACH ROW BEGIN
    DECLARE total_amount DECIMAL(10, 2);


    SELECT SUM(Amount) INTO total_amount FROM Bill WHERE User_Id = NEW.User_Id;


    UPDATE User_Account SET Wallet = Wallet - NEW.Amount WHERE User_Id = NEW.User_Id;
END
```

Figure 3.2 (Update Wallet on Bill Generation)

```
CREATE DEFINER=`username`@`mshome` TRIGGER `bill_before_insert` BEFORE INSERT ON `bill` FOR EACH ROW BEGIN
    IF NEW.Amount <= 0 THEN
        SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'Amount must be a positive value';
    END IF;
END
```

Figure 3.3(Check for Positive Bill Amount)

```
CREATE DEFINER=`username`@`mshome` TRIGGER `enquiry_before_insert` BEFORE INSERT ON `tblenquiry` FOR EACH ROW BEGIN
    DECLARE mobile_length INT;

    -- Check the length of the mobile number
    SET mobile_length = LENGTH(NEW.MobileNumber);

    -- If the length is not equal to 10, raise an error
    IF mobile_length != 10 THEN
        SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'Mobile number must be 10 digits long';
    END IF;
END
```

Figure 3.4 (Check for Mobile Number Length)

```
CREATE DEFINER=`username`@`mshome` TRIGGER `hotel_before_insert` BEFORE INSERT ON `hotel` FOR EACH ROW BEGIN
    IF NEW.Rating < 0 OR NEW.Rating > 10 THEN
        SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'Rating must be between 0 and 5';
    END IF;
END
```

Figure 3.5 (Constraint for Hotel Ratings)

```
CREATE DEFINER=`username`@`mshome` TRIGGER `itinerary_before_insert` BEFORE UPDATE ON `itinerary` FOR EACH ROW BEGIN
    IF NEW.Rating < 0 OR NEW.Rating > 5 THEN
        SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'Rating must be between 0 and 5';
    END IF;
END
```

Figure 3.6 (Constraint for Itinerary Ratings)

```
CREATE DEFINER=`username`@`mshome` TRIGGER `user_before_insert` BEFORE INSERT ON `user` FOR EACH ROW BEGIN
    DECLARE birth_date DATE;
    DECLARE min_birth_date DATE;
    SET birth_date = STR_TO_DATE(NEW.Dob, '%Y-%m-%d');
    SET min_birth_date = DATE_SUB(CURRENT_DATE(), INTERVAL 18 YEAR);
    IF birth_date > min_birth_date THEN
        SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'User must be at least 18 years old';
    END IF;
END
```

Figure 3.7 (Check for User Age)

Procedures:

Procedures are a collection of SQL statements that are stored and executed on the database server. They allow for the encapsulation of frequently used or complex SQL queries, logic, and business rules into reusable units.

Uses of Procedures:

- Modular Programming: Procedures allow developers to encapsulate SQL code and business logic into reusable modules, promoting modular programming practices.
- Improved Performance: Procedures can improve performance by reducing network traffic and minimizing the overhead associated with executing multiple SQL statements.
- Enhanced Security: Procedures can enhance security by controlling access to database objects and enforcing security policies within the database.
- Centralized Logic: Procedures centralize database logic and business rules, making it easier to maintain and update application logic without modifying application code.

Advantages of Stored Procedures:

- Improved Performance: Procedures can improve performance by reducing the amount of data transferred between the database server and client applications.
- Code Reusability: Procedures promote code reusability by encapsulating common SQL logic and business rules into reusable modules.

Procedures :

```
Database changed
MariaDB [dbms]> DELIMITER //
MariaDB [dbms]>
MariaDB [dbms]> CREATE PROCEDURE AddNewUser(
    ->     IN p_User_Id VARCHAR(512),
    ->     IN p_Name VARCHAR(512),
    ->     IN p_Password VARCHAR(512),
    ->     IN p_Dob VARCHAR(512),
    ->     IN p_Email_Id VARCHAR(512),
    ->     IN p_Address VARCHAR(512)
    -> )
    -> BEGIN
    ->     DECLARE birth_date DATE;
    ->     DECLARE min_birth_date DATE;
    ->
    ->     SET birth_date = STR_TO_DATE(p_Dob, '%Y-%m-%d');
    ->     SET min_birth_date = DATE_SUB(CURRENT_DATE(), INTERVAL 18 YEAR);
    ->
    ->     IF birth_date > min_birth_date THEN
    ->         SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'User must be at least 18 years old';
    ->     ELSE
    ->         INSERT INTO user (User_Id, Name, Password, Dob, Email_Id, Address)
    ->         VALUES (p_User_Id, p_Name, p_Password, p_Dob, p_Email_Id, p_Address);
    ->     END IF;
    -> END //
Query OK, 0 rows affected (0.005 sec)

MariaDB [dbms]>
MariaDB [dbms]> DELIMITER ;
```

Figure 3.8 AddNewUser Procedure

```
MariaDB [dbms]> CREATE PROCEDURE BookPackage(
    ->     IN p_User_Id VARCHAR(512),
    ->     IN p_PackageId INT,
    ->     IN p_FromDate DATE,
    ->     IN p_ToDate DATE,
    ->     IN p_Comment TEXT,
    ->     IN p_Total DECIMAL(10, 2),
    ->     IN p_UserName VARCHAR(255),
    ->     IN p_Email VARCHAR(255),
    ->     IN p_DOB DATE,
    ->     IN p_Address TEXT,
    ->     IN p_PackageName VARCHAR(255),
    ->     IN p_PackageType VARCHAR(255),
    ->     IN p_PackagePrice DECIMAL(10, 2)
    -> )
    -> BEGIN
    ->     DECLARE wallet_balance DECIMAL(10, 2);
    ->
    ->     -- Check if the user has enough balance in their wallet
    ->     SELECT Wallet INTO wallet_balance FROM user_account WHERE User_Id = p_User_Id;
    ->
    ->     IF wallet_balance < p_Total THEN
    ->         SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = 'Insufficient wallet balance';
    ->     ELSE
    ->         -- Insert new booking
    ->         INSERT INTO bookings (PackageId, User_id, FromDate, ToDate, Comment, Total, UserName, Email, DOB, Address, PackageName, PackageType, PackagePrice)
    ->         VALUES (p_PackageId, p_User_Id, p_FromDate, p_ToDate, p_Comment, p_Total, p_UserName, p_Email, p_DOB, p_Address, p_PackageName, p_PackageType, p_PackagePrice
);
    ->
    ->         -- Update user's wallet balance
    ->         UPDATE user_account SET Wallet = Wallet - p_Total WHERE User_Id = p_User_Id;
    ->     END IF;
    -> END //
Query OK, 0 rows affected (0.007 sec)

MariaDB [dbms]>
MariaDB [dbms]> DELIMITER ;
```

Figure 3.9 BookPackage Procedure

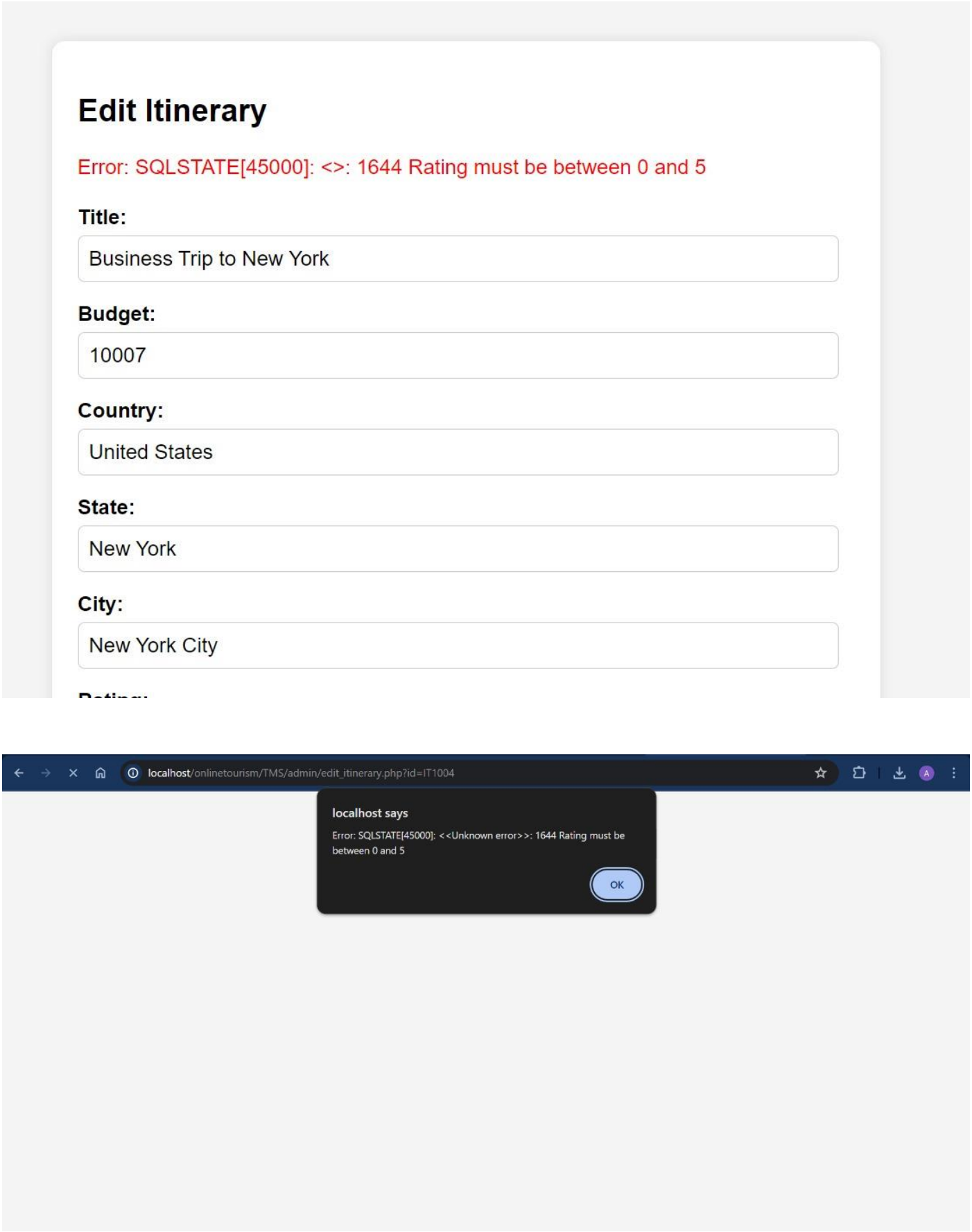


Figure 3.10 An Example of JavaScript Error after MariaDB Trigger :

DATABASE CONNECTIVITY, GUI & REPORT

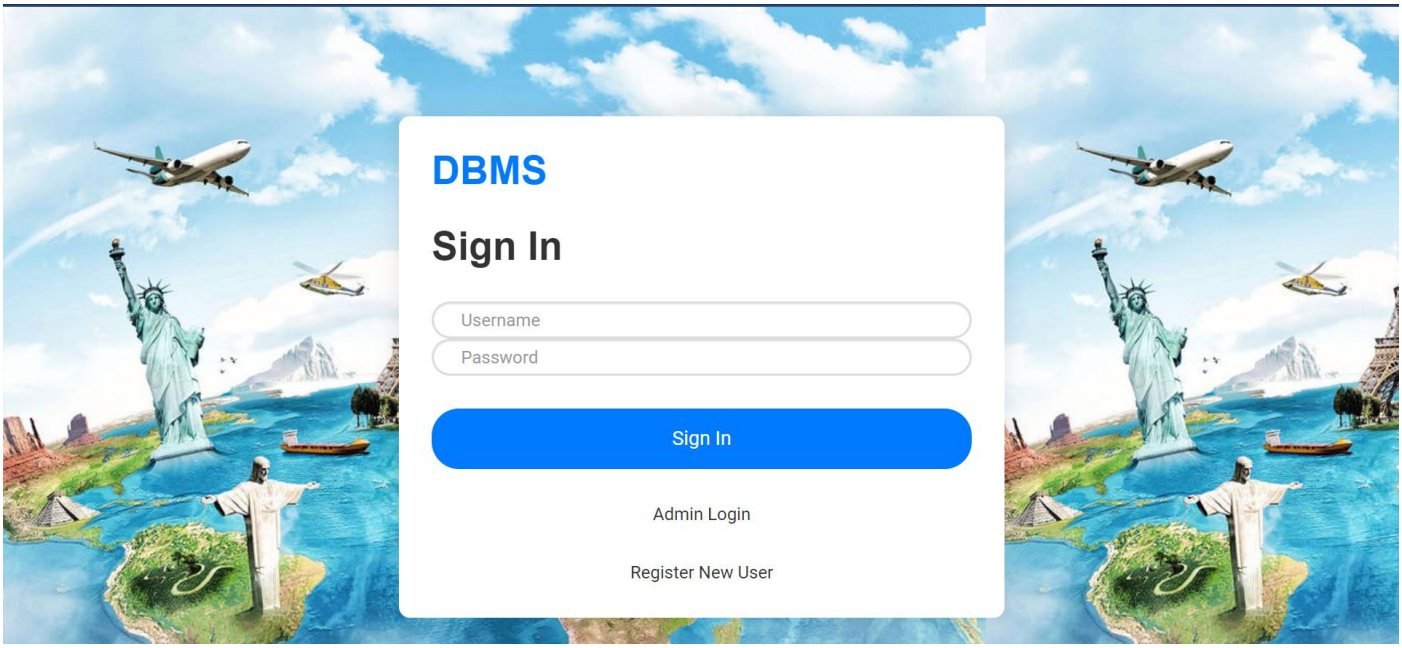


Figure 4.1 Login/Sign In

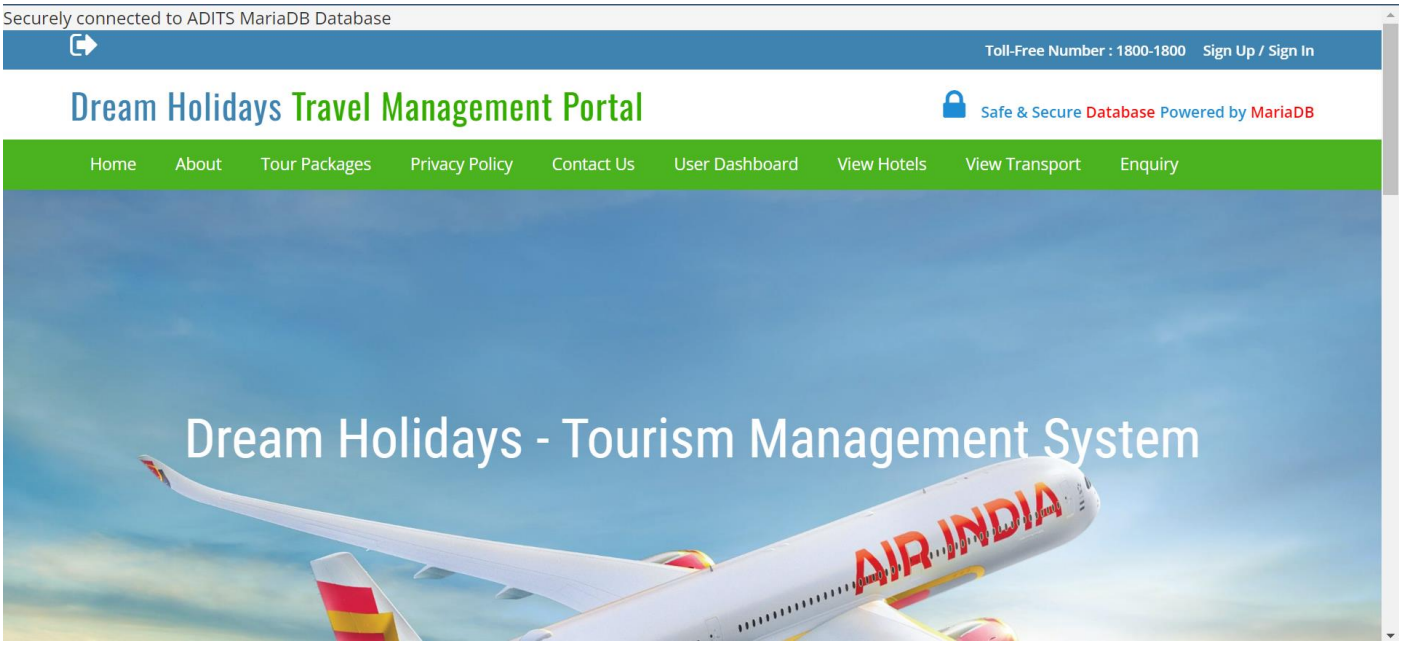


Figure 4.2 Landing Page

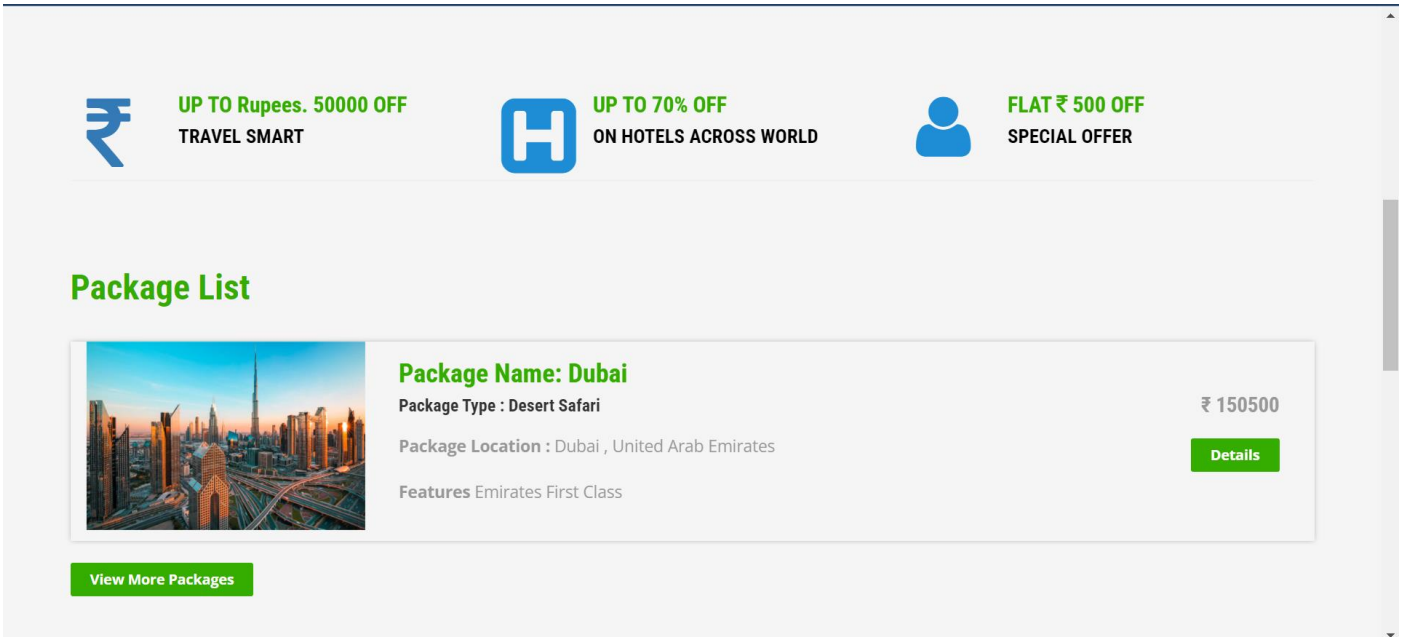


Figure 4.3 Packages

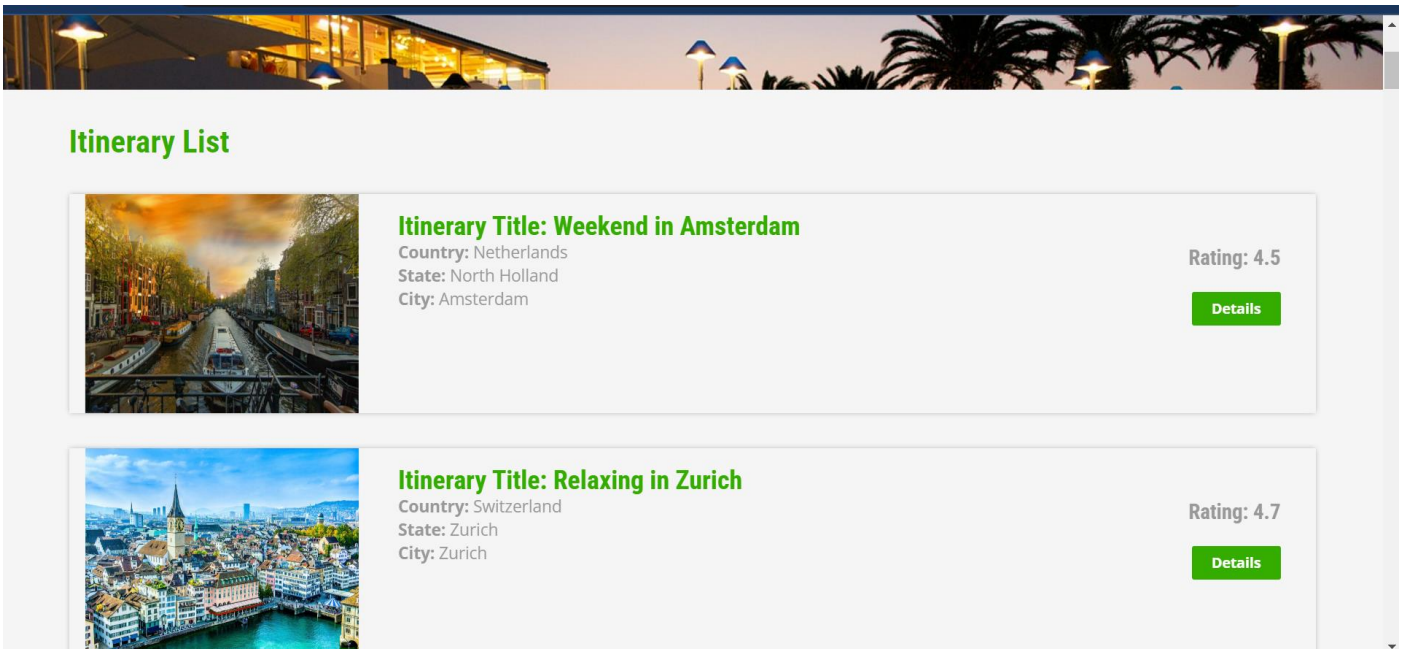


Figure 4.4 Itinerary

POWER BI REPORTS

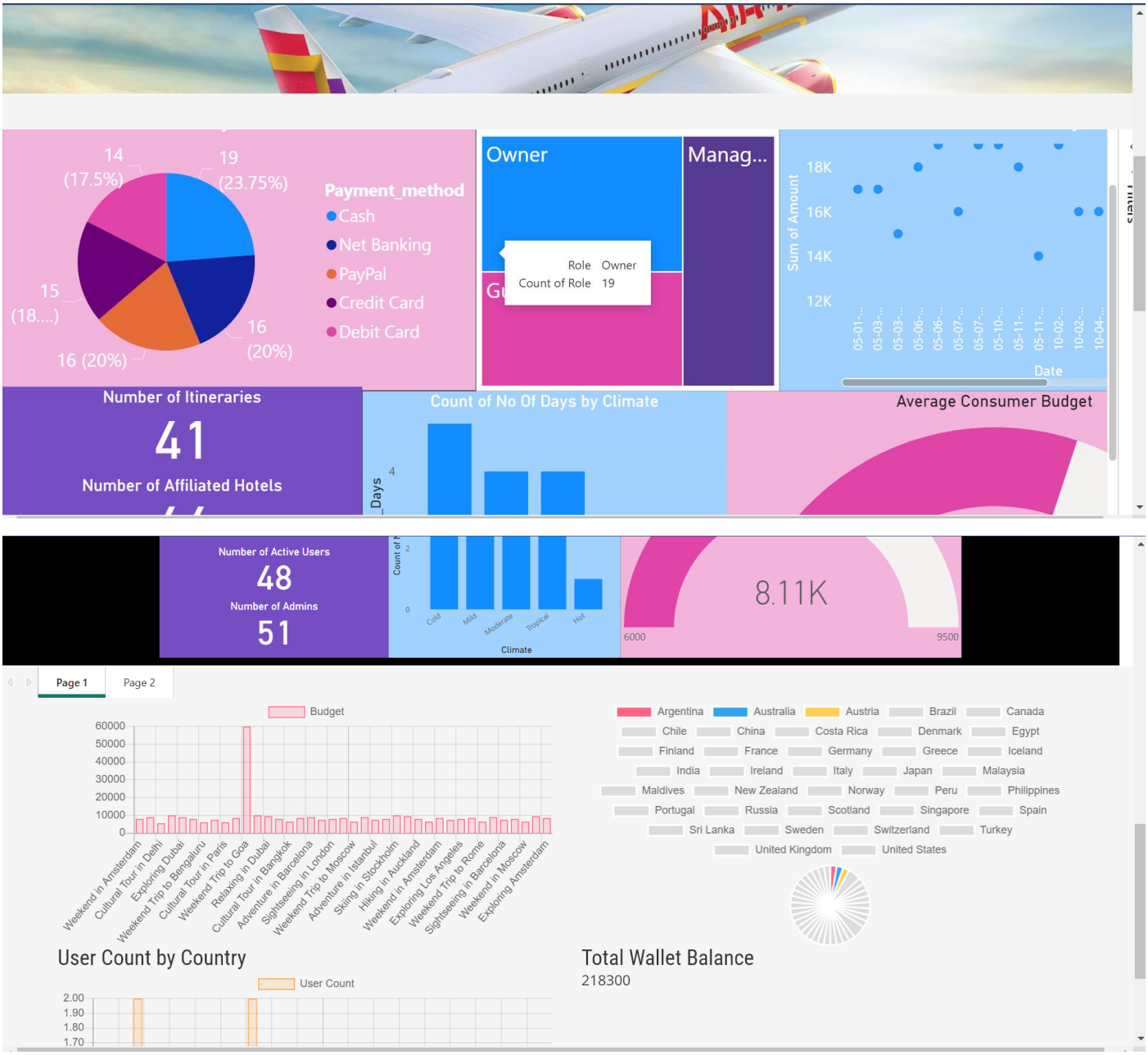


Figure 4.5 Power BI reports embedded on our website

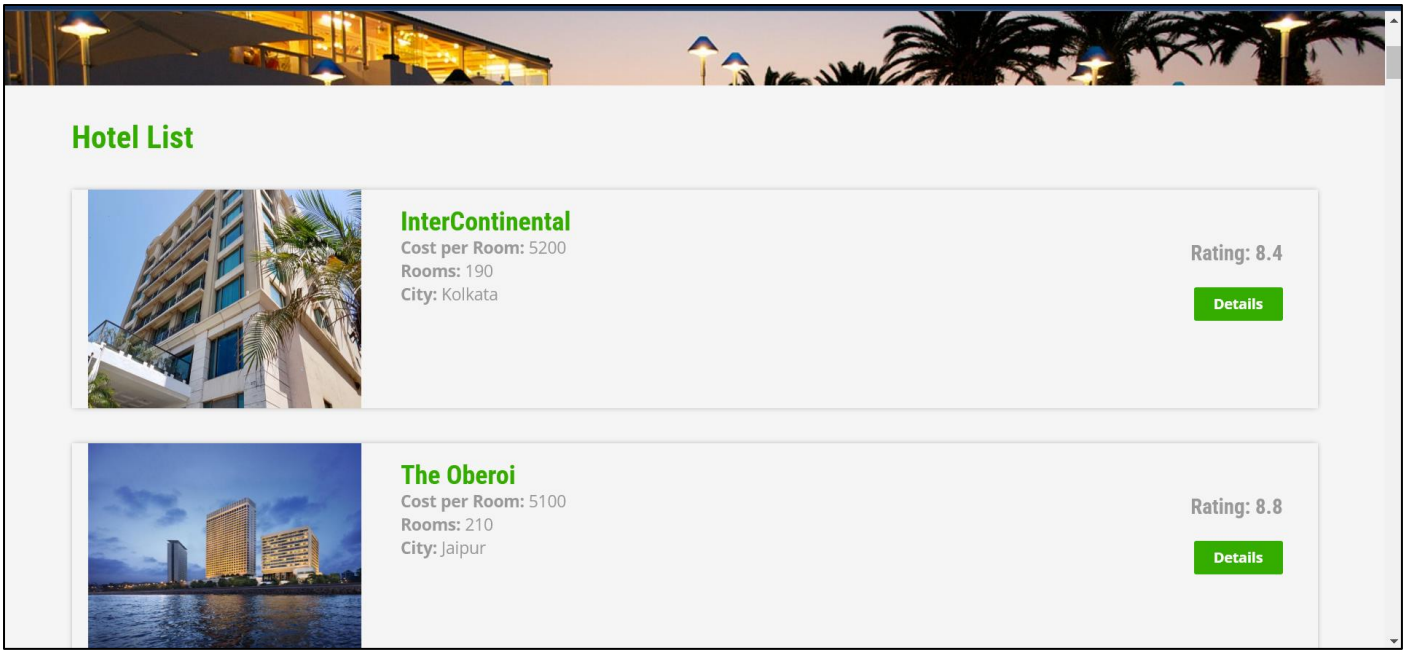


Figure 4.6 Hotels

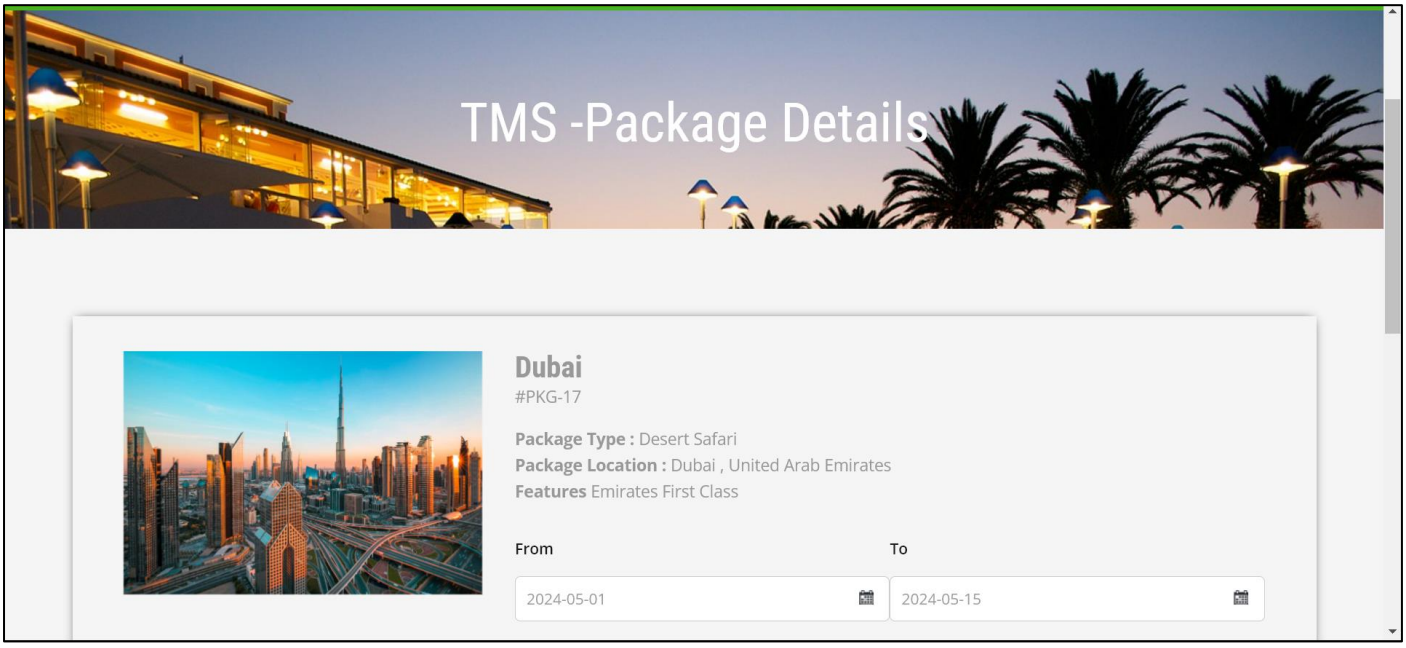


Figure 4.7 Packages

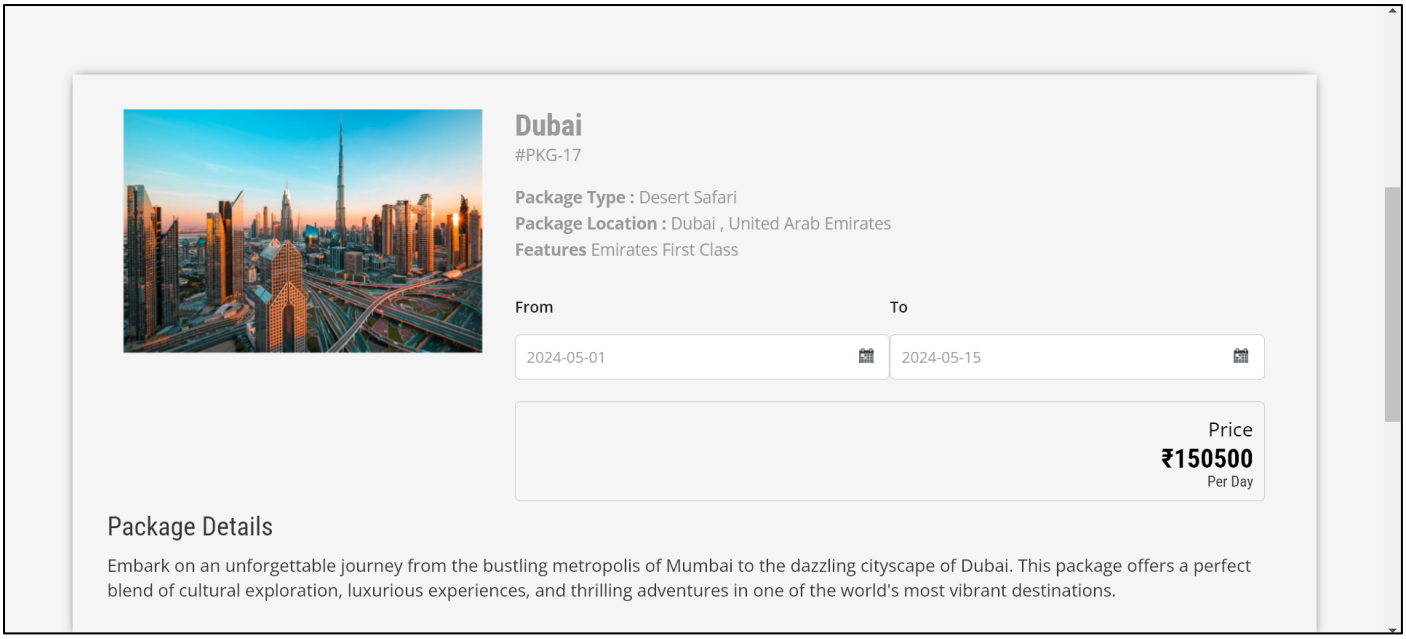


Figure 4.8 Examples

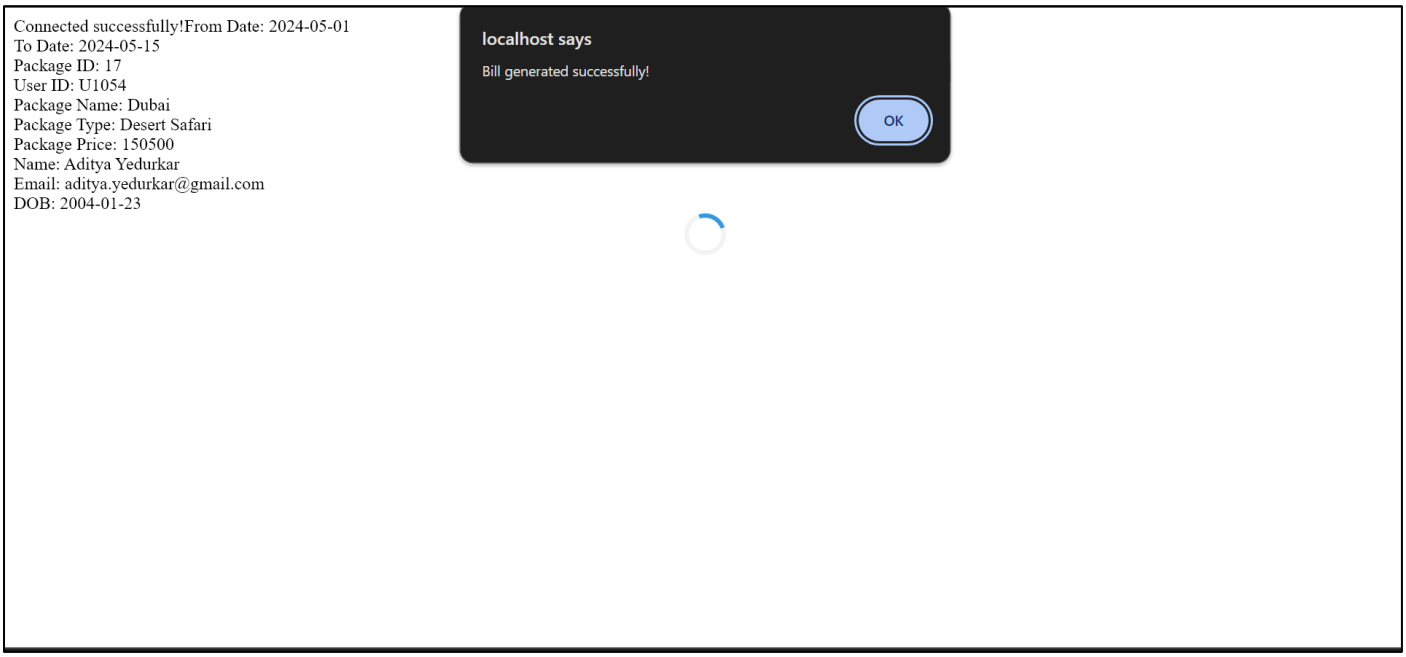


Figure 4.9 Preview of the bill

Invoice

User Information

User ID:	U1054
Name:	Aditya Yedurkar
Email:	aditya.yedurkar@gmail.com
Address:	Parel, Mumbai

Package Information

Package ID:	17
Package Name:	Dubai
Location:	Dubai , United Arab Emirates
Price:	INR 150500

From:	2024-05-01
To:	2024-05-15

Additional Comments

Nice Booking Experience!

Total:	**INR 2107000**

Figure 4.10 Bill generated, which can be downloaded

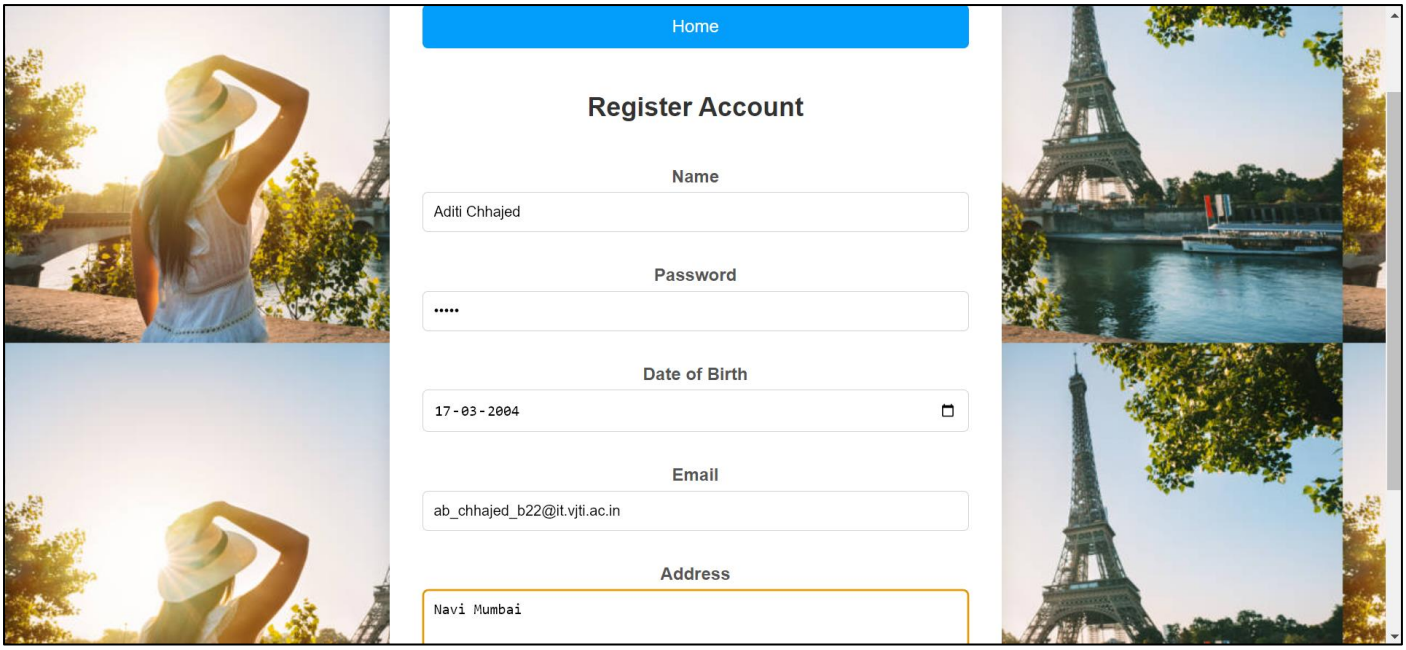


Figure 4.11 Registering new user

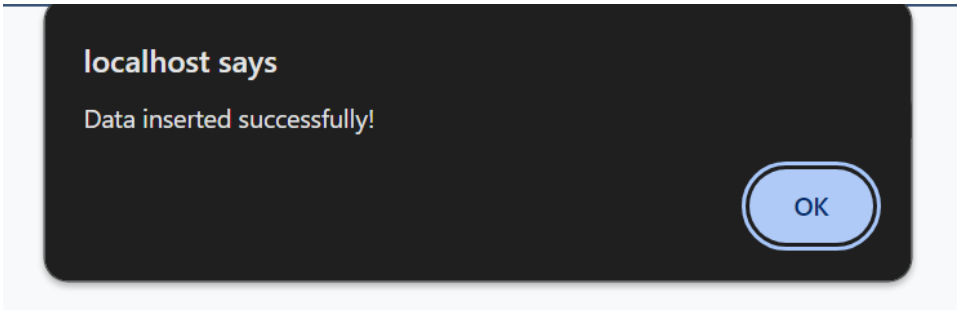
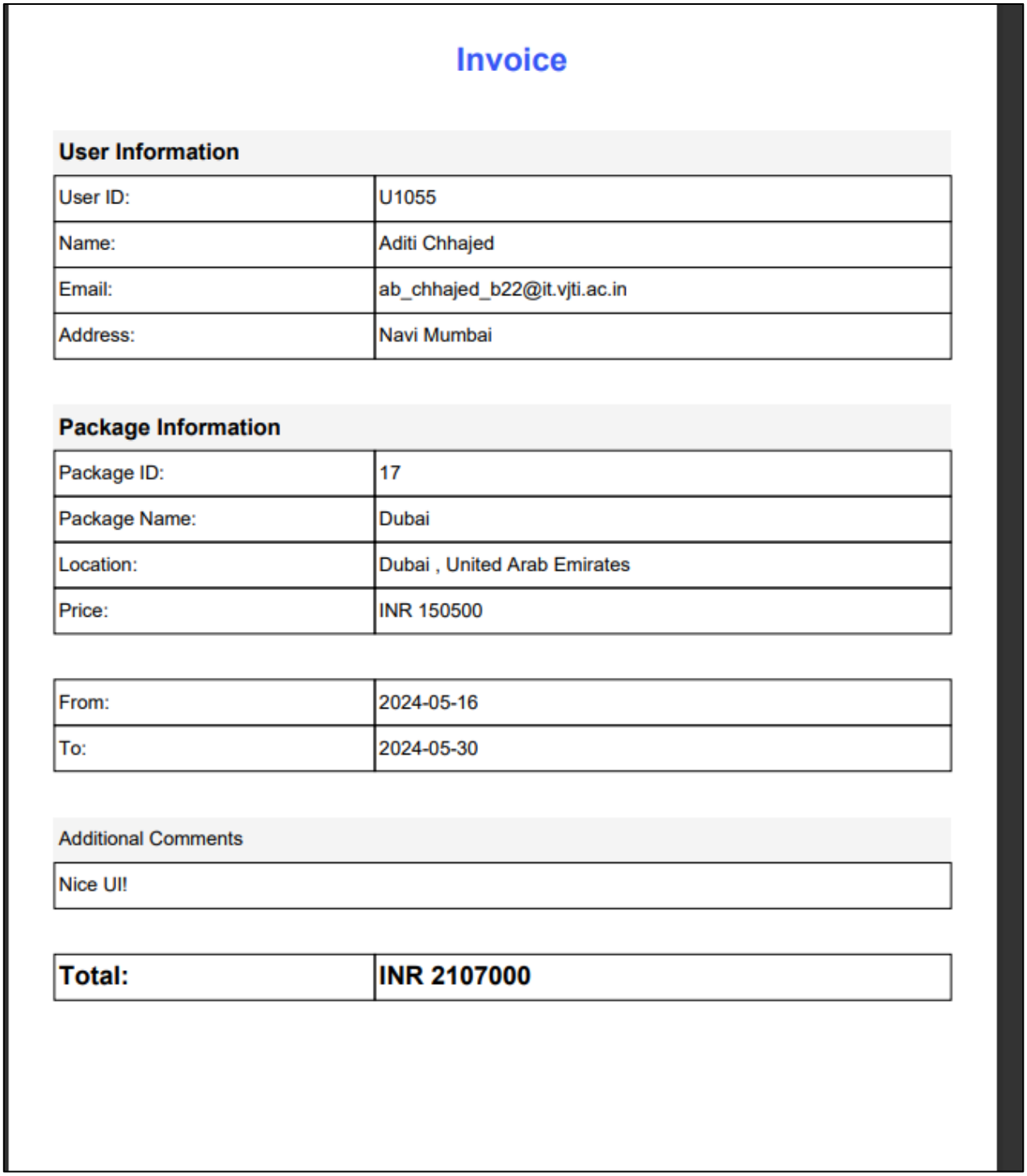


Figure 4.12 Insertion alert



Invoice

User Information

User ID:	U1055
Name:	Aditi Chhajed
Email:	ab_chhajed_b22@it.vjti.ac.in
Address:	Navi Mumbai

Package Information

Package ID:	17
Package Name:	Dubai
Location:	Dubai , United Arab Emirates
Price:	INR 150500

From:	2024-05-16
To:	2024-05-30

Additional Comments

Nice UI!

Total:	**INR 2107000**

Figure 4.13 invoice generated

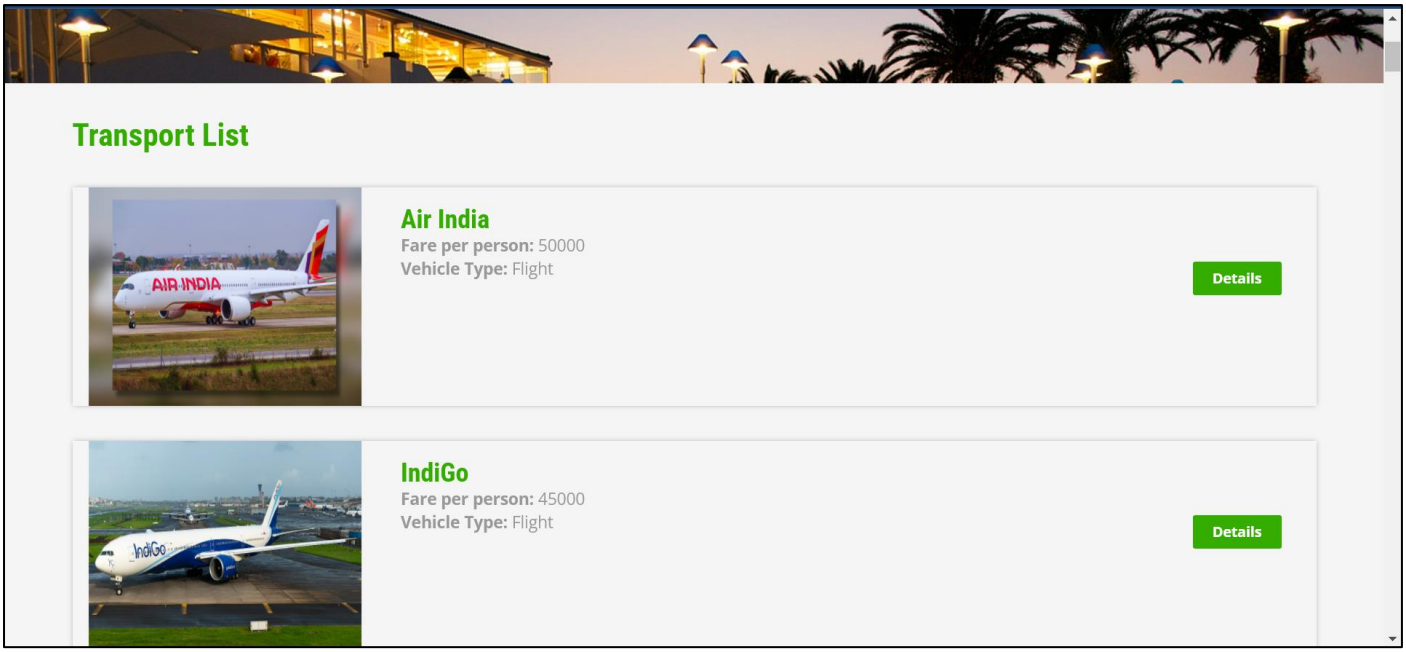


Figure 4.14 Transport List

Admin Console

Figure 4.15 Admin Dashboard

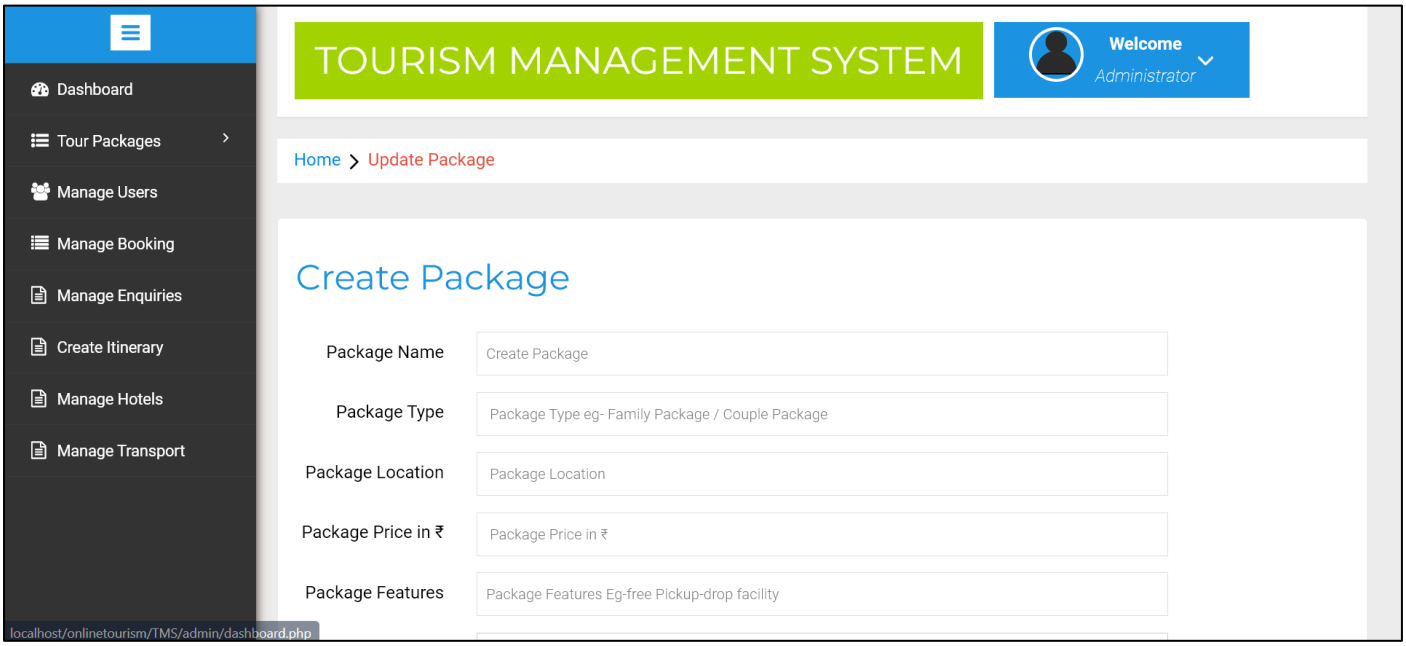


Figure 4.16 Create Operation

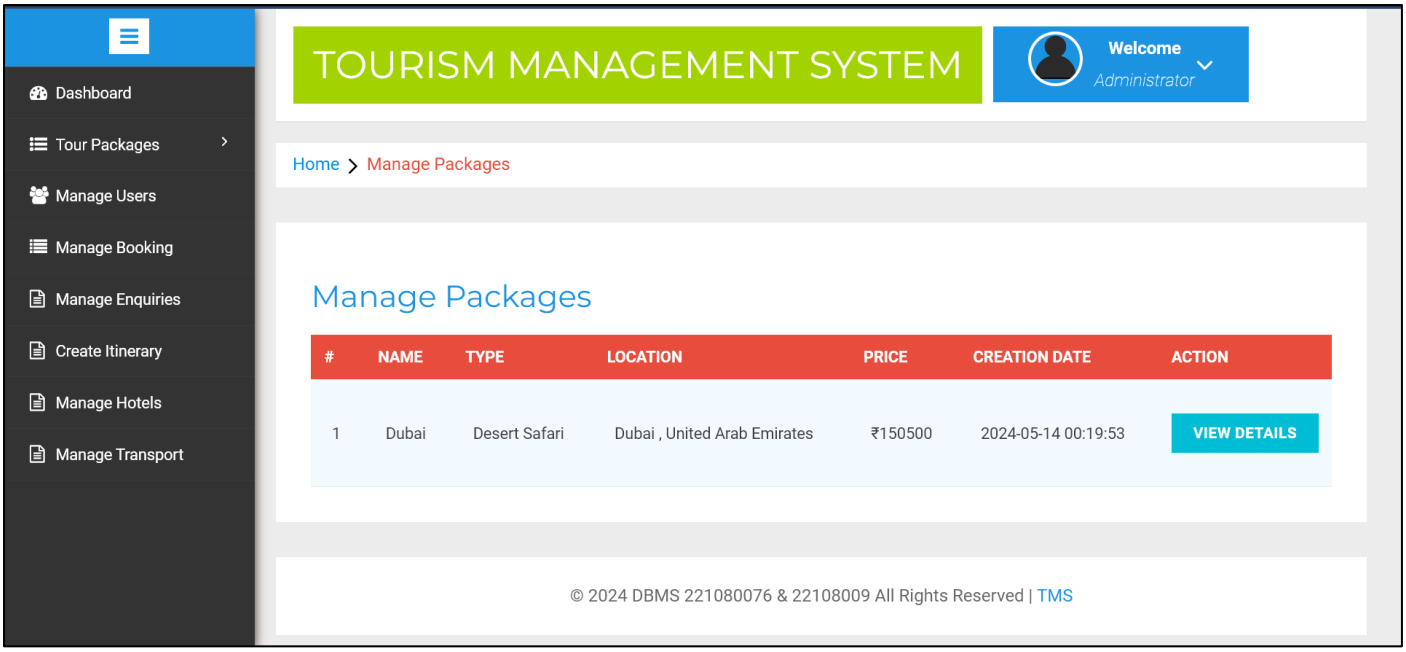


Figure 4.17 Manage Packages – Update Operations

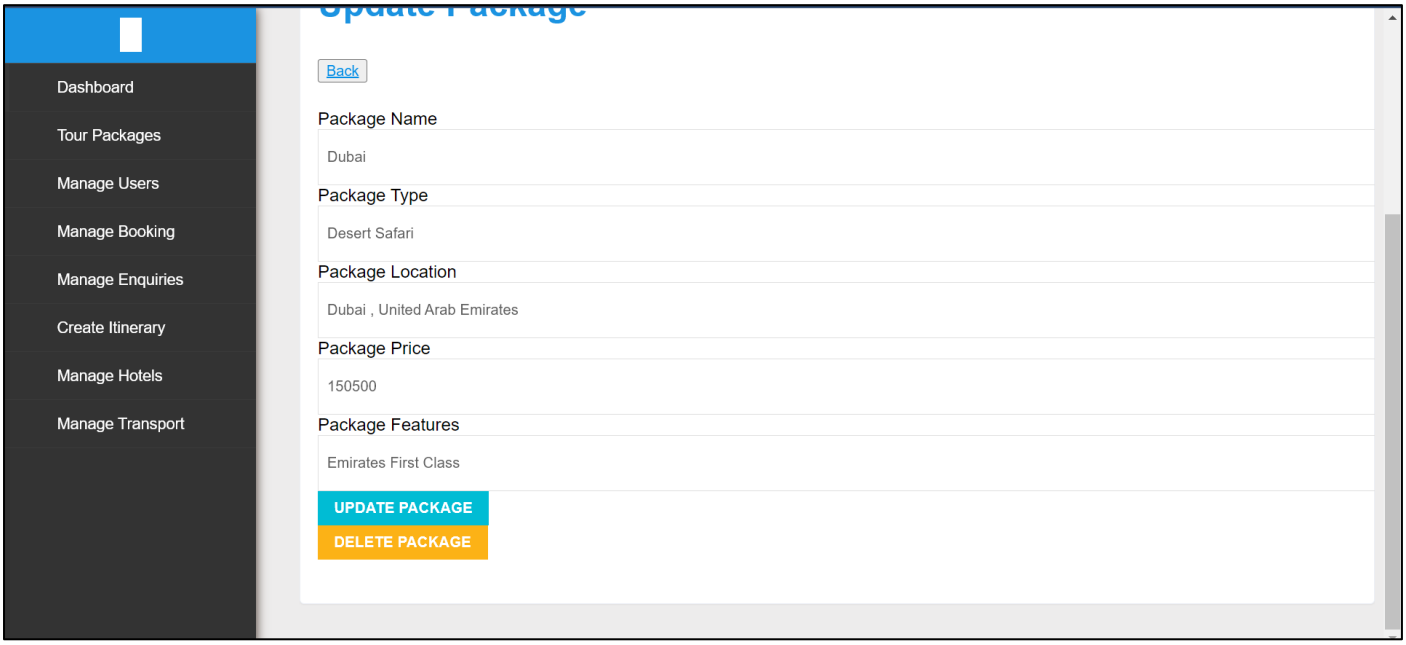


Figure 4.18 Update and Delete Packages

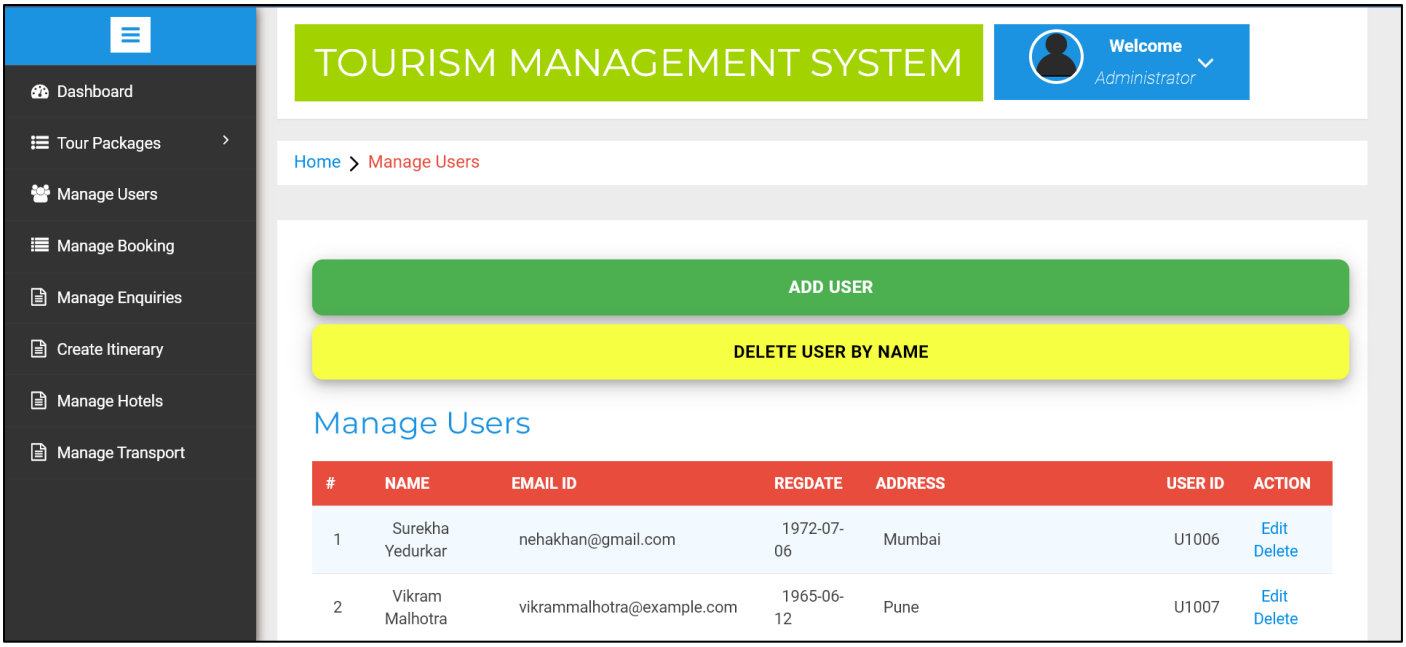


Figure 4.20 Update and Delete Users

Figure 4.21 List and Edit Itineraries

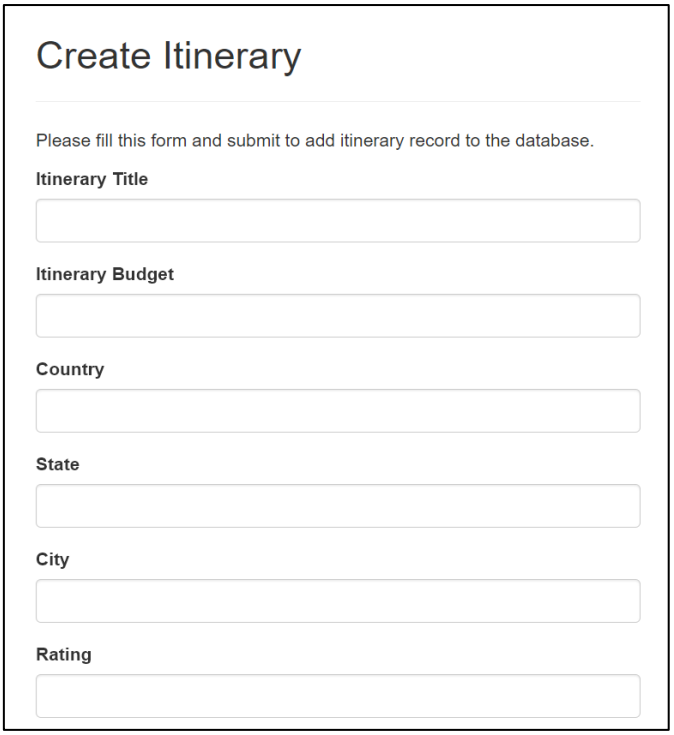


Figure 4.22 Dynamic Form to create itinerary

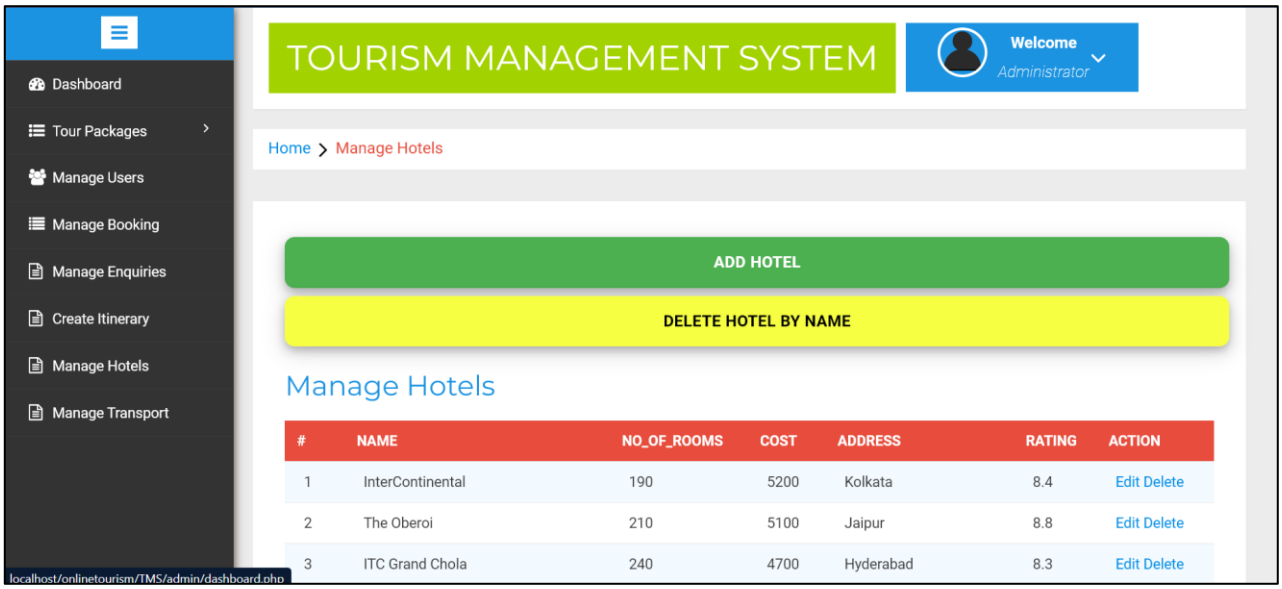


Figure 4.23 Manage Hotels

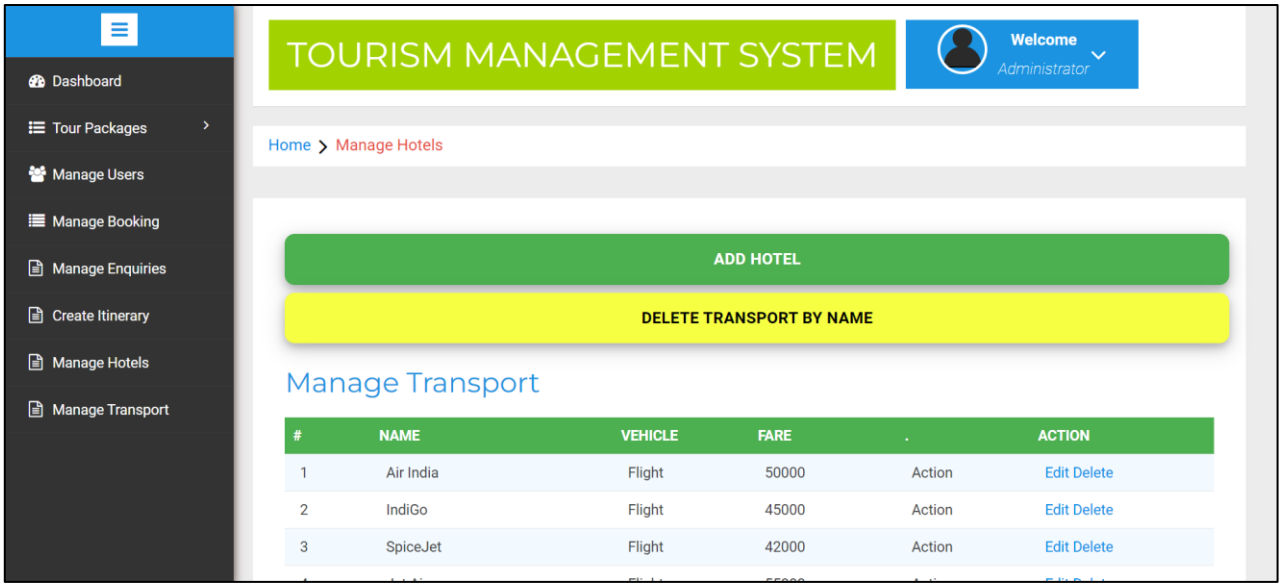


Figure 4.24 Manage Transport

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