DROP TABLE IF EXISTS Bookings;

DROP TABLE IF EXISTS CustomerDestinations;

DROP TABLE IF EXISTS TourDestinations;

DROP TABLE IF EXISTS Tours;

DROP TABLE IF EXISTS Destinations;

DROP TABLE IF EXISTS Guides;

DROP TABLE IF EXISTS Countries;

DROP TABLE IF EXISTS Customers;

CREATE TABLE Customers (

CustomerID INT AUTO\_INCREMENT PRIMARY KEY,

Name VARCHAR(100) NOT NULL,

Email VARCHAR(100) UNIQUE NOT NULL,

PhoneNumber VARCHAR(15),

RegistrationDate DATE

);

CREATE TABLE Countries (

CountryID INT AUTO\_INCREMENT PRIMARY KEY,

CountryName VARCHAR(100) NOT NULL

);

CREATE TABLE Guides (

GuideID INT AUTO\_INCREMENT PRIMARY KEY,

GuideName VARCHAR(100) NOT NULL,

PhoneNumber VARCHAR(15),

ExperienceYears INT

);

CREATE TABLE Tours (

TourID INT AUTO\_INCREMENT PRIMARY KEY,

TourName VARCHAR(100) NOT NULL,

Price DECIMAL(10, 2) NOT NULL,

DurationDays INT NOT NULL,

GuideID INT,

FOREIGN KEY (GuideID) REFERENCES Guides(GuideID)

);

CREATE TABLE Destinations (

DestinationID INT AUTO\_INCREMENT PRIMARY KEY,

DestinationName VARCHAR(100) NOT NULL,

CountryID INT NOT NULL,

FOREIGN KEY (CountryID) REFERENCES Countries(CountryID)

);

CREATE TABLE Bookings (

BookingID INT AUTO\_INCREMENT PRIMARY KEY,

CustomerID INT NOT NULL,

TourID INT NOT NULL,

BookingDate DATE NOT NULL,

NumberOfPeople INT NOT NULL,

FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID),

FOREIGN KEY (TourID) REFERENCES Tours(TourID)

);

CREATE TABLE TourDestinations (

TourID INT NOT NULL,

DestinationID INT NOT NULL,

PRIMARY KEY (TourID, DestinationID),

FOREIGN KEY (TourID) REFERENCES Tours(TourID),

FOREIGN KEY (DestinationID) REFERENCES Destinations(DestinationID)

);

CREATE TABLE CustomerDestinations (

CustomerID INT NOT NULL,

DestinationID INT NOT NULL,

VisitDate DATE NOT NULL,

PRIMARY KEY (CustomerID, DestinationID),

FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID),

FOREIGN KEY (DestinationID) REFERENCES Destinations(DestinationID)

);

INSERT INTO Customers (Name, Email, PhoneNumber, RegistrationDate)

VALUES

('Ivan Ivanov', 'ivan@example.com', '123456789', '2024-01-10'),

('Maria Petrova', 'maria@example.com', '987654321', '2024-01-12'),

('Georgi Georgiev', 'georgi@example.com', '555666777', '2024-01-15');

INSERT INTO Guides (GuideName, PhoneNumber, ExperienceYears)

VALUES

('Peter Petrov', '111222333', 5),

('Anna Dimitrova', '444555666', 7);

INSERT INTO Countries (CountryName)

VALUES

('France'),

('Italy'),

('Indonesia');

INSERT INTO Tours (TourName, Price, DurationDays, GuideID)

VALUES

('Paris Adventure', 1200.50, 5, 1),

('Rome Getaway', 950.00, 4, 2),

('Bali Escape', 2100.75, 10, 1);

INSERT INTO Destinations (DestinationName, CountryID)

VALUES

('Eiffel Tower', 1),

('Colosseum', 2),

('Ubud', 3);

INSERT INTO Bookings (CustomerID, TourID, BookingDate, NumberOfPeople)

VALUES

(1, 1, '2024-02-01', 2),

(2, 2, '2024-02-15', 4),

(3, 3, '2024-03-10', 1);

INSERT INTO TourDestinations (TourID, DestinationID)

VALUES

(1, 1),

(2, 2),

(3, 3);

INSERT INTO CustomerDestinations (CustomerID, DestinationID, VisitDate)

VALUES

(1, 1, '2024-01-20'),

(2, 2, '2024-01-25'),

(3, 3, '2024-02-15');

SELECT \* FROM Customers;

SELECT TourName, Price FROM Tours;

SELECT d.DestinationName, c.CountryName

FROM Destinations d

JOIN Countries c ON d.CountryID = c.CountryID;

SELECT b.BookingID, c.Name AS CustomerName, t.TourName, b.NumberOfPeople, b.BookingDate

FROM Bookings b

JOIN Customers c ON b.CustomerID = c.CustomerID

JOIN Tours t ON b.TourID = t.TourID;

SELECT t.TourName, d.DestinationName

FROM Tours t

JOIN TourDestinations td ON t.TourID = td.TourID

JOIN Destinations d ON td.DestinationID = d.DestinationID;

SELECT t.TourName, COUNT(b.CustomerID) AS TotalCustomers

FROM Tours t

LEFT JOIN Bookings b ON t.TourID = b.TourID

GROUP BY t.TourID;

SELECT t.TourName, SUM(b.NumberOfPeople \* t.Price) AS TotalRevenue

FROM Tours t

JOIN Bookings b ON t.TourID = b.TourID

GROUP BY t.TourID;

SELECT GuideName, ExperienceYears FROM Guides;

SELECT c.Name AS CustomerName, d.DestinationName, cd.VisitDate

FROM CustomerDestinations cd

JOIN Customers c ON cd.CustomerID = c.CustomerID

JOIN Destinations d ON cd.DestinationID = d.DestinationID;

SELECT d.DestinationName, d.CountryID, cd.VisitDate

FROM CustomerDestinations cd

JOIN Destinations d ON cd.DestinationID = d.DestinationID

WHERE cd.CustomerID = 1;