create database Airline

Use Airline;

Create Table AIRCRAFT

(

AircraftID int primary key,

Capacity int not null,

ManufactureBy varchar(50) NOT NULL,

ManufactureDate Date Not NULL

);

Create Table ROUTE

(

RouteID int primary key,

Airport varchar(30) NOT NULL,

Destination varchar(50) NOT NULL,

);

Create Table AIRFARE

(

AirfareID int primary key,

RouteID int,

Service\_Charges int,

Fule\_Charges int,

Foreign key (RouteID) References Route(RouteID) on delete cascade

);

Create Table [FLIGHT SCHEDULE]

(

FlightID int primary key,

Flight\_Date Date,

Departure varchar(30),

Arrival varchar(30),

ArrivalTime Time,

DepartureTime Time,

AircraftID int,

AirfareID int,

Foreign key (AircraftID) References Aircraft(AircraftID) on delete cascade,

Foreign key (AirfareID) References AIRFARE(AirfareID) on delete cascade

);

Create Table CHARGES

(

ChargesID int primary key,

Title Varchar(30) not Null,

Amount int not Null,

description Varchar(30) not Null,

FlightID int not Null,

Foreign key (FlightID) References [FLIGHT SCHEDULE](FlightID)

);

Create Table COUNTRY

(

CountryID int primary key,

Name Varchar(30) Not NULL

);

Create table STATE

(

StateID int primary key,

Name varchar(20),

CountryID int,

Foreign key (CountryID) References country(CountryID) on delete cascade

);

Create table BRANCH

(

BranchID int primary key,

Name varchar(20) NOT NULL,

Address varchar(30) NOT NULL,

StateID int,

Foreign key (StateID) References State(StateID) on delete cascade

);

Create table PASSENGER

(

PassengerID int primary key ,

Name varchar(30) NOT NULL,

Password varchar(30) NOT NULL,

Age int Not NULL,

Email varchar(50) NOT NULL,

Cell varchar(20) NOT NULL,

Tel varchar(20),

Address varchar(100) NOT NULL,

StateID int NOT NULL,

CountryID int NOT NULL,

Foreign key (StateID) References state(StateID) on delete cascade

);

Create table EMPLOYEE

(

Emp\_ID int primary key,

Name varchar(20) NOT NULL,

Password varchar(20) NOT NULL,

Salary int NOT NULL,

BranchID int not NULL,

Designation varchar(20) NOT NULL,

Email varchar(50) NOT NULL,

PhoneNumber varchar(20) NOT NULL,

Address varchar(100) NOT NULL,

foreign key (BranchID) References Branch(BranchID) on delete cascade

);

Create Table TRANSACTIONS

(

TransactionID int primary key,

BookingDate Date NOT NULL,

DepartureDate Date NOT NULL,

PassengerID int NOT NULL,

FlightID int NOT NULL,

Tickets int NOT NULL,

Type Char(20) NOT NULL,

EmployeeID int,

ChargesID int NOT NULL,

Foreign key (PassengerID) References PASSENGER(PassengerID) on delete cascade,

Foreign key (FlightID) References [FLIGHT SCHEDULE](FlightID) on delete cascade,

Foreign key (EmployeeID) References Employee(Emp\_Id),

Foreign key (ChargesID) References Charges(ChargesID) on delete cascade

);

SELECT \*

FROM

Airline.INFORMATION\_SCHEMA.TABLES;

GO

Insert into AIRCRAFT

Values (1,175,'Pakistan','23 April 2017'),(2,120,'Pakistan','3 May 2016'),(3,172,'Pakistan','2 March 2018')

Insert into Route

Values (1,'PIA','Pokhara'),(2,'JFK','Dhaka'),(3,'PIA','Jhada')

Insert into AIRFARE

Values (1,2,380,200),(2,1,800,420),(3,2,238,620),(4,3,384,273)

Insert into [FLIGHT SCHEDULE]

Values (1,'January 23,2012','FSD','SGD','23:23','1:10',1,1),(2,'March 3,2016','LHR','SGD','3:23','3:10',1,2),

(3,'April 24,2015','FSD','LHR','3:23','1:15',1,1)

Insert into CHARGES

values(1,'Bussiness Class',50000,'33% charged for cancellation',1),(2,'Ecomomic Class',10000,'12% charged for cancellation',1),

(3,'Bussiness Class',80000,'33% charged for cancellation',2),(4,'Ecomomic Class',30000,'12% charged for cancellation',2),

(5,'Bussiness Class',90000,'33% charged for cancellation',3),(6,'Ecomomic Class',20000,'12% charged for cancellation',3)

Insert into Country

Values (1,'Nepal'),(2,'Pakistan'),(3,'America')

Insert into STATE

Values (1,'Bagmati',1),(2,'Punjab',2),(3,'Sindh',2),(4,'New York',3)

Insert into Branch

Values (1,'Lahore JF','Lahore pakistan',2),(2,'Karachi PAK','Karachi pakistan',3),(3,'World Fly','Newyork Ams',4)

Insert into PASSENGER

Values (8001,'Nomi','pass',21,'nauman@gmail.com','87563775476','684773765','SGD',2,2),

(8002,'Rehan','kill',26,'r@gmail.com','625775476','623873765','KPK',3,4)

Insert into EMPLOYEE

Values (501,'Nauman','a',100000,1,'Manager','nauman@gmail.com','87563775476','Sinarmanga-39'),

(502,'Usman','b',60000,1,'Ticketing Worker','usman@gmail.com','87563536','Sinarmanga-39')

Insert into TRANSACTIONS

Values(1,'12 April 2011','12 March 2012',8001,1,2,'Not Confrimed',NULL,1)

select \* from AIRCRAFT

select \* from AIRFARE

select \* from Branch

select \* from CHARGES

select \* from COUNTRY

select \* from EMPLOYEE

select \* from [FLIGHT SCHEDULE]

select \* from PASSENGER

select \* from ROUTE

select \* from STATE

select \* from TRANSACTIONS