

Final Project

AirAxel

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INTRODUCTION

The fictive airline, AirAxel, operates internationally with a fleet of airplanes and daily customers. In addition, there is a membership program and employees for the company. A database along with a user interface is designed incorporating all business rules to keep track of flights and transactions. This provides a pleasant experience for the user with no tolerance for mistakes.

The interface of AirAxel is a Java based program. The back-end of the interface is written in Java while the front-end is written in JavaFx with a design layout called JFoenix. The combination gives the interface an overall material design look. JavaFx was chosen over Swing because it is “newer” and offers more modern functionalities. With the help of SceneBuilder, forms were created. SceneBuilder is a form building tool designed by Oracle to work in parallel with JavaFx.

REQUIREMENTS

The database requires a MySQL server to be installed on the computer running the program. MySQL workbench proves to be beneficial in executing the .sql files used to build the database. Java JDK or JRE must be installed on the machine for a successful execution of the program.

ASSUMPTIONS

The database must house an extensive amount of different types of information while taking into consideration the business rules and their implementation.

The Aircraft table holds basic information about the airplane. As stated within the business rules, a selection of class options in the airplane is available to the customer. To store this data, a separate table, Travel_classes was created. This table holds the monetary percentage increase customers will have to pay to travel in a higher-class seat. Each aircraft within the company offers at least one or more services listed in the In_flight_services table.

The most extensive table in the database is the flights table. This table holds a variety of information including which aircrafts are being utilized, the price for a ticket, the number of seats available in each class, and the information regarding departure and arrival.

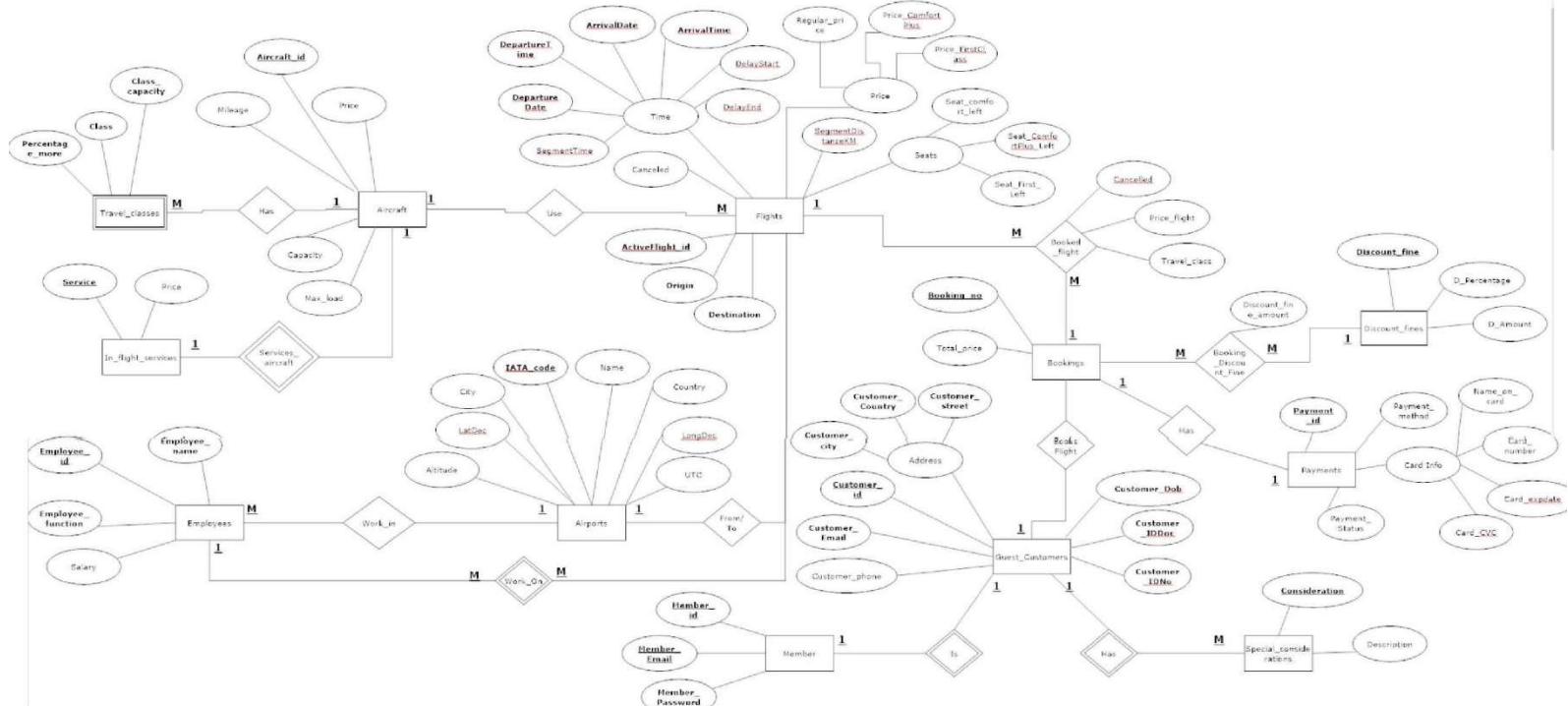
The employee table holds basic information regarding the employees of the company. Some employees are required to work at the airport such as those working in finance, customer service, the CEO and CFO. Additional employees are required to work on the aircrafts. If a flight gets cancelled, employees are removed from the Work_on_flight table as they are no longer needed for the particular flight.

The table Guest_customers contains the necessary information regarding the customers. The membership program offers customers the option to become a member for rewards and quicker checkout. The table is designed because every member is a customer but not every customer is not a member. If needed, customers have the ability to request special accommodations.

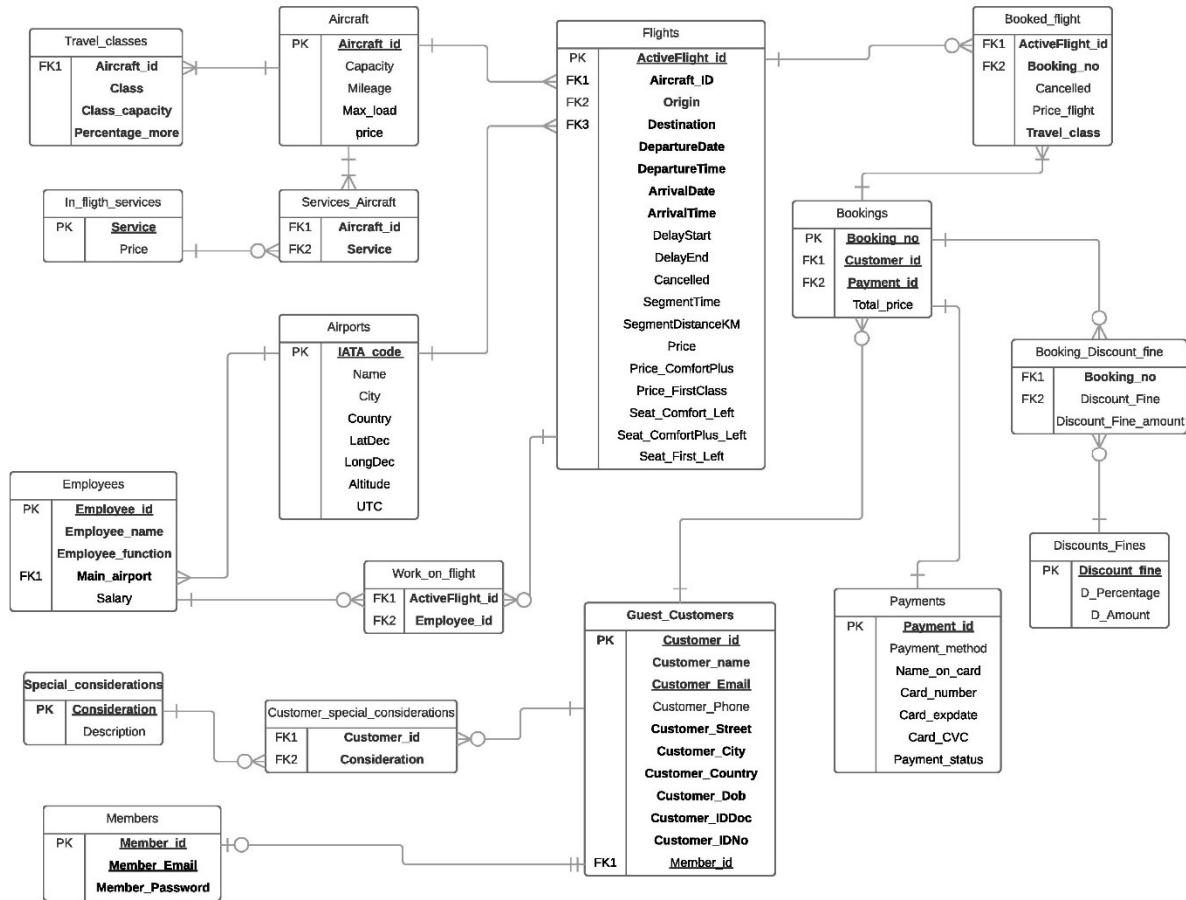
Every customer has a unique ID and for every booking made, a designated booking number and payment ID is generated and linked to the customers’ ID. Additional linked information includes

the total cost for the booking. Due to the possibility of one booking containing multiple flights or one flight having multiple bookings, a table Booked_flight was created. The table stores information such as the customer's travel class, the price of the ticket for the specific flight, and if the flight has been canceled. The specific flight ticket price was included due to the airline company having the ability to change the price of a ticket at any given time. This will keep the price remaining constant after booking the flight so that the customer will not have to pay an increased (or decreased) amount. Therefore, in order to calculate the total income from a flight, the additional field Price_flight is utilized. The possibility of applying a discount to a booking is available. Examples of discounts include when a flight is canceled, whether it be by the airline or the customer, and children receiving a lower priced ticket. On the other hand, fines or additional costs may also be applied for reasons such as luggage being overweight.

ENTITY RELATIONSHIP DIAGRAM



RELATIONAL SCHEMAS



DESCRIPTION OF THE CODE

The Java and JavaFX based interface contains multiple classes to handle all of the necessary commands. Each form requires a controller class. For readability and editing purposes, only one controller class is associated with a form.

These controller classes do not interact with directly with the database. The controller classes send a request to the main class: AirAxel, that connects to the database using the ServerConnection class. The initial time connecting the server to the server location, the login and password are saved in the ServerConnection class. Every time a function is called that needs to interact with the MySQL database, null values are sent to all applicable fields. This lets the ServerConnection class know that the stored values must be utilized. The AirAxel class retrieves this information and converts it to standard java objects or self-created objects such as CustomerObject, EmployeeObject, LiveInfo and FlightObject. These objects were created to fill the JavaFX tables.

The ScreensController class is part of a framework that Oracle provides online. This class controls the switching between forms and the initialization of all forms. The result provided are smooth and easy transitions between the forms. This enables the program to utilize multiple forms efficiently.

The interface is divided into two main sections, Customers and Employees. From both sections, there is a home button available to click that will allow the user to switch between Customers and Employees. By entering the customer side of the form, users have the ability to sign-in or sign-up for the membership program. After the completion of signing-up, the AirAxel class will remember the Customer_id and Member_id for future transactions. This provides the option of skipping the login or customer sign-in when booking a flight. The interface classes catch null inputs and null outputs from the AirAxel class. If a required field is not completed, the interface class will give a pop-up message to the user. This message will also be sent for null outputs. Additionally, if the AirAxel class did not retrieve the information due to being non-existent or not found, the controller class will give a pop-up message to the user.

CONCLUSION

This project was an extensive amount of work, it helped gain insight into the implementation, designing, and constructing processes of databases. It encapsulated what was covered throughout the semester, allowing for students to apply their knowledge to a real-world scenario.

FUTURE WORK

The database and interface have a good start with basic functionalities and error handling/trapping, however, there is room to add functionalities and more error handling to the program. Additional improvements include the ability to charge in-flight services to the customer or provide a check-in page where luggage can be weighed and inputted. There is room for stronger error trapping and ensuring the correct input is provided to the interface. Streamlining some of the functions and adding improvements the database would further refine the program. Like any program, it is a work in progress with room to improve and innovate.

REFERENCES

“JAVAFX MATERIAL DESIGN LIBRARY.” JFoenix, 2015-2017, <http://www.jfoenix.com/>.

APPENDIX

```
CREATE DATABASE IF NOT EXISTS `axelvanhoywegenairaxel`
```

```
USE `axelvanhoywegenairaxel`;
```

TABLES

i) Aircraft

```
DROP TABLE IF EXISTS `aircraft`;

CREATE TABLE `aircraft` (
    `Aircraft_id` varchar(24) NOT NULL,
    `Capacity` smallint(5) unsigned DEFAULT NULL,
    `Mileage` int(11) unsigned DEFAULT NULL,
    `Max_load` int(11) unsigned DEFAULT NULL,
    `Price` bigint(20) unsigned DEFAULT NULL,
    PRIMARY KEY (`Aircraft_id`)
);
```

ii) Airports

```
DROP TABLE IF EXISTS `airports`;
```

```
CREATE TABLE `airports` (
    `IATA_Code` char(3) NOT NULL,
    `Name` varchar(200) DEFAULT NULL,
    `City` varchar(200) DEFAULT NULL,
    `Country` varchar(100) DEFAULT NULL,
    `LatDec` double(15,10) DEFAULT NULL,
    `LongDec` double(15,10) DEFAULT NULL,
    `Altitude` float DEFAULT NULL,
    `UTC` char(6) DEFAULT NULL,
    PRIMARY KEY (`IATA_Code`)
);
```

iii) Booked_flight

```
DROP TABLE IF EXISTS `booked_flight`;

CREATE TABLE `booked_flight` (
    `ActiveFlight_id` int(10) unsigned NOT NULL,
    `Booking_no` int(10) unsigned NOT NULL,
    `Cancelled` tinyint(1) DEFAULT NULL,
    `Price_flight` float DEFAULT NULL,
    `Travel_class` varchar(25) NOT NULL,
    KEY `ActiveFlight_id` (`ActiveFlight_id`),
    KEY `Booking_no` (`Booking_no`),
    CONSTRAINT `booked_flight_ibfk_1` FOREIGN KEY (`ActiveFlight_id`) REFERENCES `flights` (`ActiveFlight_id`),
    CONSTRAINT `booked_flight_ibfk_2` FOREIGN KEY (`Booking_no`) REFERENCES `bookings` (`Booking_no`)
);
```

iv) Booking_discount_fine

```
DROP TABLE IF EXISTS `booking_discount_fine`;

CREATE TABLE `booking_discount_fine` (
    `Booking_no` int(10) unsigned NOT NULL,
    `Discount_Fine` varchar(64) DEFAULT NULL,
    `Discount_Fine_Amount` float DEFAULT NULL,
    KEY `Booking_no` (`Booking_no`),
    KEY `Discount_Fine` (`Discount_Fine`),
    CONSTRAINT `booking_discount_fine_ibfk_1` FOREIGN KEY (`Booking_no`) REFERENCES `bookings` (`Booking_no`),
    CONSTRAINT `booking_discount_fine_ibfk_2` FOREIGN KEY (`Discount_Fine`) REFERENCES `discounts_fines` (`Discount_Fine`)
);
```

v) Bookings

```
DROP TABLE IF EXISTS `bookings`;

CREATE TABLE `bookings` (
    `Booking_no` int(10) unsigned NOT NULL AUTO_INCREMENT,
    `Customer_id` int(10) unsigned NOT NULL,
    `Payment_id` int(10) unsigned NOT NULL,
    `Total_price` float unsigned DEFAULT NULL,
    PRIMARY KEY (`Booking_no`),
    KEY `Payment_id` (`Payment_id`),
    KEY `Customer_id` (`Customer_id`),
    CONSTRAINT `bookings_ibfk_1` FOREIGN KEY (`Payment_id`) REFERENCES `payments` (`Payment_id`),
    CONSTRAINT `bookings_ibfk_2` FOREIGN KEY (`Customer_id`) REFERENCES `guest_customers` (`Customer_id`)
);
```

vi) Customer_special_considerations

```
DROP TABLE IF EXISTS `customer_special_considerations`;

CREATE TABLE `customer_special_considerations` (
    `Customer_id` int(10) unsigned NOT NULL,
    `Consideration` varchar(32) NOT NULL,
    KEY `Customer_id` (`Customer_id`),
    KEY `Consideration` (`Consideration`),
    CONSTRAINT `customer_special_considerations_ibfk_1` FOREIGN KEY (`Customer_id`) REFERENCES `guest_customers` (`Customer_id`) ON DELETE CASCADE,
    CONSTRAINT `customer_special_considerations_ibfk_2` FOREIGN KEY (`Consideration`) REFERENCES `special_considerations` (`Consideration`) ON DELETE CASCADE
);
```

vii) Discount_fines

```
DROP TABLE IF EXISTS `discounts_fines`;
```

```
CREATE TABLE `discounts_fines` (
    `Discount_Fine` varchar(64) NOT NULL,
    `D_percentage` float(3,2) DEFAULT NULL,
    `D_Amount` float DEFAULT NULL,
    PRIMARY KEY (`Discount_Fine`)
);
```

viii) Employees

```
DROP TABLE IF EXISTS `employees`;

CREATE TABLE `employees` (
    `Employee_id` char(9) NOT NULL,
    `Employee_name` varchar(128) NOT NULL,
    `Employee_function` varchar(64) NOT NULL,
    `Main_airport` char(3) NOT NULL,
    `Salary` float(15,2) DEFAULT NULL,
    PRIMARY KEY (`Employee_id`),
    KEY `Main_airport` (`Main_airport`),
    CONSTRAINT `employees_ibfk_1` FOREIGN KEY (`Main_airport`) REFERENCES `airports` (`IATA_Code`)
);
```

ix) Flights

```
DROP TABLE IF EXISTS `flights`;

CREATE TABLE `flights` (
  `ActiveFlight_id` int(10) unsigned NOT NULL,
  `Aircraft_id` varchar(25) NOT NULL,
  `Origin` char(3) NOT NULL,
  `Destination` char(3) NOT NULL,
  `DepartureDate` date NOT NULL,
  `DepartureTime` time NOT NULL,
  `ArrivalDate` date NOT NULL,
  `ArrivalTime` time NOT NULL,
  `DelayStart` int(11) DEFAULT NULL,
  `DelayEnd` int(11) DEFAULT NULL,
  `Cancelled` tinyint(1) DEFAULT '0',
  `SegmentTime` int(11) DEFAULT '0',
  `SegmentDistanceKM` int(11) DEFAULT '0',
  `Price` float DEFAULT NULL,
  `Price_comfortPlus` float DEFAULT NULL,
  `Price_FirstClass` float DEFAULT NULL,
  `Seat_Comfort_Left` int(11) DEFAULT NULL,
  `Seat_ComfortPlus_Left` int(11) DEFAULT NULL,
  `Seat_First_Left` int(11) DEFAULT NULL,
  PRIMARY KEY (`ActiveFlight_id`),
  KEY `Aircraft_id` (`Aircraft_id`),
  KEY `Origin` (`Origin`),
  KEY `Destination` (`Destination`),
  CONSTRAINT `flights_ibfk_1` FOREIGN KEY (`Aircraft_id`) REFERENCES `aircraft` (`Aircraft_id`) ON DELETE CASCADE,
  CONSTRAINT `flights_ibfk_2` FOREIGN KEY (`Origin`) REFERENCES `airports` (`IATA_Code`) ON DELETE CASCADE,
  CONSTRAINT `flights_ibfk_3` FOREIGN KEY (`Destination`) REFERENCES `airports` (`IATA_Code`) ON DELETE CASCADE
);
```

x) Guest_customers

```
DROP TABLE IF EXISTS `guest_customers`;

CREATE TABLE `guest_customers` (
  `Customer_id` int(10) unsigned NOT NULL AUTO_INCREMENT,
  `Customer_name` varchar(128) NOT NULL,
  `Customer_Email` varchar(128) NOT NULL,
  `Customer_Phone` varchar(24) DEFAULT NULL,
  `Customer_Street` varchar(255) NOT NULL,
  `Customer_City` varchar(255) NOT NULL,
  `Customer_Country` varchar(255) NOT NULL,
  `Customer_DoB` date NOT NULL,
  `Customer_IDdoc` varchar(32) NOT NULL,
  `Customer_IDNo` varchar(32) NOT NULL,
  `Member_id` int(10) unsigned DEFAULT NULL,
  PRIMARY KEY (`Customer_id`),
  UNIQUE KEY `Customer_Email` (`Customer_Email`),
  UNIQUE KEY `Member_id` (`Member_id`),
  CONSTRAINT `guest_customers_ibfk_1` FOREIGN KEY (`Member_id`) REFERENCES `members` (`Member_id`)
);
```

xi) In_flight_services

```
DROP TABLE IF EXISTS `in_flight_services`;

CREATE TABLE `in_flight_services` (
  `Service` varchar(255) NOT NULL,
  `Price` float(6,2) DEFAULT NULL,
  PRIMARY KEY (`Service`)
);
```

xii) Members

```
DROP TABLE IF EXISTS `members`;

CREATE TABLE `members` (
  `Member_id` int(10) unsigned NOT NULL AUTO_INCREMENT,
  `Member_Email` varchar(128) NOT NULL,
  `Member_Password` varchar(64) NOT NULL,
  PRIMARY KEY (`Member_id`),
  UNIQUE KEY `Member_Email` (`Member_Email`)
);
```

xiii) Payments

```
DROP TABLE IF EXISTS `payments`;

CREATE TABLE `payments` (
  `Payment_id` int(10) unsigned NOT NULL AUTO_INCREMENT,
  `Payment_Method` varchar(32) DEFAULT NULL,
  `Name_on_card` varchar(128) DEFAULT NULL,
  `Card_number` char(32) DEFAULT NULL,
  `Card_exppdate` date DEFAULT NULL,
  `Card_CVC` int(3) DEFAULT NULL,
  `Payment_Status` varchar(16) NOT NULL,
  PRIMARY KEY (`Payment_id`)
);
```

xiv) Services_aircraft

```
DROP TABLE IF EXISTS `services_aircraft`;

CREATE TABLE `services_aircraft` (
  `Aircraft_id` varchar(25) NOT NULL,
  `Service` varchar(255) NOT NULL,
  KEY `Aircraft_id` (`Aircraft_id`),
  KEY `Service` (`Service`),
  CONSTRAINT `services_aircraft_ibfk_1` FOREIGN KEY (`Aircraft_id`) REFERENCES `aircraft` (`Aircraft_id`) ON DELETE CASCADE,
  CONSTRAINT `services_aircraft_ibfk_2` FOREIGN KEY (`Service`) REFERENCES `in_flight_services` (`Service`) ON DELETE CASCADE
);
```

xv) Special_considerations

```
DROP TABLE IF EXISTS `special_considerations`;

CREATE TABLE `special_considerations` (
  `Consideration` varchar(32) NOT NULL,
  `Description` varchar(255) DEFAULT NULL,
  PRIMARY KEY (`Consideration`)
);
```

xvi) Travel_classes

```
DROP TABLE IF EXISTS `travel_classes`;

CREATE TABLE `travel_classes` (
  `Aircraft_id` varchar(25) NOT NULL,
  `Class` varchar(25) NOT NULL,
  `Class_capacity` smallint(5) unsigned NOT NULL,
  `Percentage_more` float(4,3) unsigned NOT NULL,
  KEY `Aircraft_id` (`Aircraft_id`),
  CONSTRAINT `travel_classes_ibfk_1` FOREIGN KEY (`Aircraft_id`) REFERENCES `aircraft` (`Aircraft_id`) ON DELETE CASCADE
);
```

xvii) Work_on_flight

```
DROP TABLE IF EXISTS `work_on_flight`;

CREATE TABLE `work_on_flight` (
  `ActiveFlight_id` int(10) unsigned NOT NULL,
  `Employee_id` char(9) NOT NULL,
  PRIMARY KEY (`ActiveFlight_id`, `Employee_id`),
  KEY `Employee_id` (`Employee_id`),
  CONSTRAINT `work_on_flight_ibfk_1` FOREIGN KEY (`ActiveFlight_id`) REFERENCES `flights` (`ActiveFlight_id`) ON DELETE CASCADE,
  CONSTRAINT `work_on_flight_ibfk_2` FOREIGN KEY (`Employee_id`) REFERENCES `employees` (`Employee_id`) ON DELETE CASCADE
);
```

INSERT DATA

i) Aircraft

```
INSERT INTO Aircraft(Aircraft_id, Capacity, mileage, Max_load, Price) VALUES
    ("Airbus A321-220 (1)", 192, 5950, 21200, 40000000),
    ("Airbus A321-220 (2)", 192, 5950, 21200, 40000000),
    ("Airbus A321-220 (3)", 192, 5950, 21200, 40000000),

    ("Airbus A330-300 (1)", 293, 11750, 45900, 90000000),
    ("Airbus A330-300 (2)", 293, 11750, 45900, 90000000),
    ("Airbus A330-300 (3)", 293, 11750, 45900, 90000000),
    ("Airbus A330-300 (4)", 293, 11750, 45900, 90000000),

    ("Airbus A350-900 (1)", 306, 15000, 16000, 80000000),
    ("Airbus A350-900 (2)", 306, 15000, 16000, 80000000),

    ("Boeing 757-300 (1)", 234, 7590, 12000, 60000000),
    ("Boeing 757-300 (2)", 234, 7590, 12000, 60000000),

    ("Boeing 767-400ER (1)", 246, 10197, 62000, 450000000),
    ("Boeing 767-400ER (2)", 246, 10197, 62000, 450000000),
    ("Boeing 767-400ER (3)", 246, 10197, 62000, 450000000);
```

ii) Airports (40 first)

```
INSERT INTO `airports` VALUES ('AAA','ANAA','ANAA','FRENCH POLYNESIA',-17.3525000000,0.0000000000,10,'-10:00'),
('AAE','ANNABA','ANNABA','ALGERIA',36.8222222222,7.8091666667,16,'+01:00'),
('AAH','AACHEN MERZBRUCK','AACHEN','GERMANY',50.8227777778,6.1872222222,623,'+01:00'),
('AAL','AALBORG','AALBORG','DENMARK',57.0927777778,9.8488888889,10,'+01:00'),
('AAO','ANACO','ANACO','VENEZUELA',9.4291666667,0.0000000000,721,'-04:30'),
('AAR','AARHUS','AARHUS','DENMARK',56.3041666667,10.6194444444,82,'+01:00'),
('ABA','ABAKAN','ABAKAN','RUSSIA',53.7400000000,91.3850000000,831,'+04:00'),
('ABF','','ABAIAANG','KIRIBATI',0.0000000000,0.0000000000,0,'+12:00'),
('ABI','ABILENE RGNL','ABILENE','USA',32.4111111111,0.0000000000,1791,'-05:00'),
('ABJ','ABIDJAN FELIX HOUPHOUET BOIGNY INTERNATIONAL','ABIDJAN','IVORY COAST',5.2597222222,0.0000000000,20,'UNKNWN'),
('ABK','','KABRE DARE','ETHIOPIA',0.0000000000,0.0000000000,0,'+03:00'),
('ABM','BAMAGA INJINOO','AMBERLEY','AUSTRALIA',-10.9508333333,142.4594444444,34,'+09:30'),
('ABQ','','ALBUQUERQUE','USA',0.0000000000,0.0000000000,0,'-05:00'),
('ABS','ABU SIMBEL','ABU SIMBEL','EGYPT',22.3758333333,31.6166666667,616,'+02:00'),
('ABU','','ATAMBUA','INDONESIA',0.0000000000,0.0000000000,0,'+08:00'),
('ABV','ABUJA NNAMDI AZIKWE INTERNATIONAL','ABUJA','NIGERIA',9.0666666667,7.2630555556,1123,'+01:00'),
('ABX','ALBURY','ALBURY','AUSTRALIA',-36.0677777778,146.9580555556,539,'+09:30'),
('ABY','','ALBANY','USA',0.0000000000,0.0000000000,0,'-05:00'),
('ABZ','DYCE','ABERDEEN','U.K',57.2041666667,0.0000000000,215,'UNKNWN'),
('ACA','GENERAL JUAN N ALVAREZ INTERNATIONAL','ACAPULCO','MEXICO',16.7566666667,0.0000000000,16,'-06:00'),
('ACC','KOTOKA INTERNATIONAL','ACCRA','GHANA',5.6027777778,0.0000000000,205,'+00:00'),
('ACE','LANZAROTE','LANZEROTE','CANARY ISLANDS',28.9452777778,0.0000000000,47,'+00:00'),
('ACH','ST GALLEN ALTENRHEIN','ALTENRHEIN','SWITZERLAND',47.4850000000,9.5605555556,1306,'+01:00'),
('ACI','','ALDERNEY','ENGLAND',0.0000000000,0.0000000000,0,'+00:00'),
('ACK','NANTUCKET MEM','NANTUCKET','USA',41.2527777778,0.0000000000,48,'-05:00'),
('ACT','WACO RGNL','WACO','USA',31.6111111111,0.0000000000,516,'-05:00'),
('ACY','ATLANTIC CITY INTERNATIONAL','ATLANTIC CITY','USA',39.4575000000,0.0000000000,75,'-05:00'),
('ADA','ADANA','ADANA','TURKEY',36.9819444444,35.2802777778,65,'+02:00'),
('ADB','ADNAN MENDERES','IZMIR','TURKEY',38.2922222222,27.1569444444,412,'+02:00'),
('ADD','BOLE INTERNATIONAL','ADDIS ABABA','ETHIOPIA',8.9769444444,38.8000000000,7621,'+03:00'),
('ADH','ADA MUNI','ALDAN','RUSSIA',34.8041666667,0.0000000000,1016,'+04:00'),
('ADI','','ARANDIS','NAMIBIA',0.0000000000,0.0000000000,0,'+01:00'),
('ADL','ADELAIDE INTERNATIONAL','ADELAIDE','AUSTRALIA',-34.9450000000,138.5305555556,20,'+09:30'),
('ADM','ARDMORE MUNI','ARDMORE','USA',34.3030555556,0.0000000000,762,'-05:00'),
('ADW','ANDREWS AFB','CAMP SPRINGS','USA',38.8105555556,0.0000000000,280,'-05:00'),
('ADX','LEUCHARS','LEUCHARS','U.K',56.3727777778,0.0000000000,38,'UNKNWN'),
('ADZ','GUSTAVO ROJAS PINILLA','SAN ANDRES ISLAND','COLOMBIA',12.5833333333,0.0000000000,19,'-05:00'),
('AEA','','ABEMAMA ATOLL','KIRIBATI',0.0000000000,0.0000000000,0,'+12:00'),
('AEH','ABECHE','ABECHE','CHAD',13.8469444444,20.8441666667,1788,'+01:00'),
('AER','SOCHI','SOCHI','RUSSIA',43.4458333333,39.9475000000,89,'+04:00');
```

iii) Booked flight (Partially)

```
INSERT INTO `booked_flight` VALUES (3,944,0,439,'Comfort'),(4,550,0,804,'Comfort'),(4,642,0,804,'Comfort'),
(5,934,0,81.4,'Comfort+'),(6,446,0,65,'Comfort'),(7,68,0,1105,'Comfort'),(7,371,0,2652,'First'),
(7,989,0,2652,'First'),(8,19,1,NULL,'First'),(8,363,1,NULL,'First'),(8,550,1,NULL,'Comfort'),
(8,677,1,NULL,'Comfort+'),(8,969,1,NULL,'Comfort'),(9,777,0,130,'Comfort'),(9,843,0,312,'First'),
(11,189,0,3148.8,'First'),(13,295,0,564.3,'Comfort+'),(13,512,0,564.3,'Comfort+'),
(14,161,0,1073.6,'Comfort+'),(14,346,0,976,'Comfort'),(15,45,0,102,'Comfort'),
(15,131,0,112.2,'Comfort+'),(15,687,0,244.8,'First'),(16,11,0,110,'Comfort'),(16,365,0,110,'Comfort'),
(16,486,0,110,'Comfort'),(16,796,0,110,'Comfort'),(17,268,0,999,'Comfort'),(18,124,0,2630.4,'First'),
(18,235,0,1096,'Comfort'),(18,308,0,1096,'Comfort'),(19,351,0,298,'Comfort'),(20,712,0,60,'Comfort'),
(20,976,0,60,'Comfort'),(20,1002,0,60,'Comfort'),(21,951,0,165,'Comfort+'),
(22,393,0,282,'Comfort'),(23,850,0,676.8,'First'),(25,48,0,1308,'Comfort'),(25,313,0,1308,'Comfort'),
(30,118,1,33.66,'Comfort'),(30,871,0,237.6,'First'),(31,67,1,320.144,'Comfort+'),
(31,532,0,856,'Comfort'),(32,852,0,1661,'Comfort'),(36,505,0,254.4,'First'),(36,641,0,116.6,'Comfort+'),
(36,937,0,254.4,'First'),(37,905,0,1020,'Comfort'),(38,291,0,1321,'Comfort'),
(38,322,0,1453.1,'Comfort+'),(39,223,0,281.6,'Comfort+'),(39,530,0,614.4,'First'),
(40,182,0,1210,'Comfort'),(41,494,0,241,'Comfort'),(41,997,0,241,'Comfort'),(42,810,0,630.3,'Comfort+'),
(43,605,0,104,'Comfort'),(44,234,0,192,'First'),(44,936,0,192,'First'),(44,990,0,192,'First'),
(45,455,0,1172,'Comfort'),(45,872,0,1172,'Comfort'),(46,161,0,287,'Comfort'),
(46,543,0,315.7,'Comfort'),(46,976,0,287,'Comfort'),(47,41,0,1432.2,'Comfort+'),
(47,1003,0,1432.2,'Comfort+'),(48,585,0,852,'Comfort'),(50,17,0,104,'Comfort'),
(50,854,0,104,'Comfort'),(51,242,0,1134,'Comfort'),(51,699,0,2721.6,'First'),
(51,958,0,1247.4,'Comfort+'),(52,93,0,1379,'Comfort'),(52,363,0,1379,'Comfort'),
(52,453,0,1516.9,'Comfort'),(52,498,0,1379,'Comfort'),(52,788,0,1516.9,'Comfort+'),
(53,716,0,602.4,'First'),(53,895,0,251,'Comfort'),(54,894,0,929,'Comfort'),
(55,91,0,266,'Comfort'),(55,94,0,266,'Comfort'),(55,977,0,292.6,'Comfort+'),
(56,36,0,519.2,'Comfort+'),(56,608,0,1132.8,'First'),(57,32,0,97,'Comfort'),
(58,868,0,136,'Comfort'),(59,596,0,1354.1,'Comfort+'),
(60,269,0,301.4,'Comfort+'),(61,66,0,1086,'Comfort'),(61,603,0,1194.6,'Comfort+'),
(61,708,0,1086,'Comfort'),(62,887,0,123,'Comfort'),(62,893,0,123,'Comfort'),
(62,893,0,123,'Comfort'),(63,445,0,249.6,'First'),(66,177,0,532.8,'First'),
(67,934,0,1533,'Comfort'),(68,303,0,1123,'Comfort'),(68,619,0,1123,'Comfort'),
(69,237,0,416.9,'Comfort+'),(69,247,0,909.6,'First'),(70,362,0,1449.6,'First'),
(70,824,0,604,'Comfort'),(70,871,0,1449.6,'First'),(71,242,0,168,'First'),
(72,679,0,130,'Comfort'),(75,14,1,NULL,'Comfort'),(75,202,1,NULL,'Comfort'),
(75,944,1,NULL,'First'),(76,197,0,165.6,'First'),(76,339,0,165.6,'First'),
(76,528,0,165.6,'First'),(76,639,0,165.6,'First'),(77,474,0,95,'Comfort'),
(77,837,0,228,'First'),(78,674,0,952.6,'Comfort+'),(79,52,0,1016,'Comfort'),
(79,152,0,1016,'Comfort'),(81,1,0,980,'Comfort'),(81,123,0,980,'Comfort'),
(82,313,0,227,'Comfort'),(82,394,0,227,'Comfort'),(82,938,0,227,'Comfort'),
(83,912,0,515.9,'Comfort+'),(84,190,0,2517.6,'First'),(84,731,0,1049,'Comfort'),
(85,894,0,95,'Comfort'),(86,734,0,69,'Comfort'),(88,154,0,1575,'Comfort'),
(88,821,0,1575,'Comfort'),(89,105,0,312,'Comfort'),(91,11,0,126,'Comfort'),
(93,346,0,1708.3,'Comfort+'),(94,279,0,744,'First'),(94,646,0,310,'Comfort'),
(95,505,0,1262.8,'Comfort+'),(97,749,0,622,'Comfort'),(98,330,0,925,'Comfort'),
(98,655,0,925,'Comfort'),(100,168,0,78,'Comfort'),(100,857,0,187.2,'First'),
(100,941,0,78,'Comfort'),(101,205,0,1279,'Comfort'),(102,628,0,1140,'Comfort'),
(104,507,0,300,'First'),(104,547,0,300,'First'),(105,76,0,144,'Comfort'),
(105,340,0,345.6,'First'),(106,425,0,1562,'Comfort'),(106,688,0,3748.8,'First'),
(107,350,0,242,'Comfort'),(107,419,0,242,'Comfort'),(108,816,0,3393.6,'First'),
(109,1008,0,3172.8,'First class'),(110,778,0,240.9,'Comfort+'),
(110,846,0,525.6,'First'),(111,503,0,667.7,'Comfort+'),(111,1008,0,1456.8,'First class'),
(113,237,0,85,'Comfort'),(113,467,0,85,'Comfort'),(113,1009,0,85,'Comfort'),
(114,363,0,111,'Comfort'),(114,972,0,122.1,'Comfort+'),(116,992,0,1623,'Comfort'),
(117,623,1,NULL,'Comfort'),(118,512,0,104.5,'Comfort+'),(120,225,0,1427,'Comfort'),
(120,328,0,1569.7,'Comfort+'),(120,475,0,1427,'Comfort'),(120,862,0,1427,'Comfort'),
(121,61,0,179,'Comfort'),(122,174,0,3429.6,'First'),(122,245,0,3429.6,'First'),
(122,414,0,1571.9,'Comfort+'),(123,230,1,NULL,'Comfort'),(123,865,1,NULL,'Comfort'),
(124,327,0,1008,'First'),(125,508,0,1073,'Comfort'),(125,840,0,1073,'Comfort'),
(126,20,0,180,'First'),(126,814,0,82.5,'Comfort+'),(127,539,0,69,'Comfort'),
(128,354,0,2325.6,'First'),(130,593,0,213,'Comfort'),(130,1006,0,234.3,'Comfort'),
(132,952,0,770,'Comfort'),(134,197,0,73,'Comfort'),(134,590,0,73,'Comfort'),
(135,776,0,1035,'Comfort'),(136,135,0,3465.6,'First'),(136,630,0,3465.6,'First'),
(137,216,0,233.2,'Comfort+'),(137,281,0,508.8,'First');
```

iv) Booking_discount_fine

```
INSERT INTO `booking_discount_fine` VALUES
(14,'Flight Cancelation technical reasons',-958),
(202,'Flight Cancelation technical reasons',-958),
(944,'Flight Cancelation technical reasons',-2299.2),
(230,'Flight Cancelation technical reasons',-221),
(865,'Flight Cancelation technical reasons',-221),
(19,'Flight Cancelation technical reasons',-293.352),
(363,'Flight Cancelation technical reasons',-293.352),
(550,'Flight Cancelation technical reasons',-122.23),
(677,'Flight Cancelation technical reasons',-146.676),
(969,'Flight Cancelation technical reasons',-122.23),
(749,'Flight Cancelation technical reasons',-1056),
(623,'Flight Cancelation technical reasons',-166),
(118,'Flight Cancelation by customer within 10 hours',-65.34),
(67,'Flight Cancelation by customer within 10 hours',-621.456),
(330,'Flight Cancelation by customer before 10 hours',-2224.8),
(912,'Flight Cancelation by customer before 10 hours',-188.1),
(402,'Flight Cancelation by customer before 10 hours',-102.6),
(848,'Flight Cancelation by customer before 10 hours',-1238.4),
(330,'Flight Cancelation by customer before 10 hours',-222.48),
(848,'Flight Cancelation by customer before 10 hours',-123.84),
(61,'Flight Cancelation by customer before 10 hours',-1286.1),
(205,'Flight Cancelation by customer before 10 hours',-660.96),
(286,'Flight Cancelation by customer before 10 hours',-191.7);
```

v) Bookings (Partially)

```
INSERT INTO `bookings` VALUES (1,1,1,969.73),(2,2,2,1057.98),(3,3,3,825.12),(4,4,4,1153.63),(5,5,5,361.29),
(6,6,6,572.99),(7,7,7,1040.33),(8,8,8,640.69),(9,9,9,349.8),(10,10,10,1446.44),(11,11,11,280.92),
(12,12,12,116.39),(13,13,13,1289.77),(14,14,14,0),(15,15,15,1198.78),(16,16,16,301.72),(17,17,17,318.72),
(18,18,18,533.22),(19,19,19,801.958),(20,20,20,124.45),(21,21,21,680.65),(22,22,22,1384.68),(23,23,23,566.65),
(24,24,24,729.56),(25,25,25,1239.8),(26,26,26,1345.24),(27,27,27,1246.69),(28,28,28,711.31),(29,29,29,346.36),
(30,30,30,712.87),(31,31,31,573.35),(32,32,32,118.85),(33,33,33,1135.86),(34,34,34,433.1),(35,35,35,1436.47),
(36,36,36,824.37),(37,37,37,608.4),(38,38,38,534.04),(39,39,39,920.41),(40,40,40,1019.32),(41,41,41,320.8),
(42,42,42,1439.42),(43,43,43,476.14),(44,44,44,263.95),(45,45,45,821.03),(46,46,46,520.26),(47,47,47,1294.37),
(48,48,48,1225.35),(49,49,49,160.47),(50,50,50,169.89),(51,51,51,990.78),(52,52,52,1124.07),(53,53,53,587.73),
(54,54,54,300.78),(55,55,55,1183.91),(56,56,56,1478.65),(57,57,57,851.89),(58,58,58,353.54),(59,59,59,1274.12),
(60,60,60,696.3),(61,61,61,19.7101),(62,62,62,183.09),(63,63,63,1471.21),(64,64,64,1272.59),(65,65,65,1426.47),
(66,66,66,658.31),(67,67,67,838.204),(68,68,68,89.74),(69,69,69,1029.15),(70,70,70,659.95),(71,71,71,882.3),
(72,72,72,1373.5),(73,73,73,260.43),(74,74,74,1383.26),(75,75,75,721.06),(76,76,76,611.78),(77,77,77,966.43),
(78,78,78,901.23),(79,79,79,720.18),(80,80,80,624.44),(81,81,81,942.38),(82,82,82,664.62),(83,83,83,159.92),
(84,84,84,1067.99),(85,85,85,1384.34),(86,86,86,1190.32),(87,87,87,514.62),(88,88,88,1213.31),(89,89,89,823.92),
(90,90,90,438.78),(91,91,91,1136.35),(92,92,92,891.07),(93,93,93,1073.7),(94,94,94,1341.13),(95,95,95,381.73),
(96,96,96,663.54),(97,97,97,1072.69),(98,98,98,511.46),(99,99,99,331.7),(100,100,100,1201.74),(101,101,101,1485.43),
(102,102,102,161.89),(103,103,103,324.62),(104,104,104,599.8),(105,105,105,510.99),(106,106,106,1271.85),
(107,107,107,844.73),(108,108,108,1361.85),(109,109,109,1212.62),(110,110,110,1076.43),(111,111,111,969.88),
(112,112,112,274.74),(113,113,113,431.82),(114,114,114,800.78),(115,115,115,811.81),(116,116,116,994.95),
(117,117,117,530),(118,118,118,1083.73),(119,119,119,544.26),(120,120,120,1244.01),(121,121,121,1218.98),
(122,122,122,749.32),(123,123,123,755.2),(124,124,124,623.36),(125,125,125,1220.62),(126,126,126,1064.69),
(127,127,127,1346.15),(128,128,128,768.83),(129,129,129,1082.56),(130,130,130,394.31),(131,131,131,731.32),
(132,132,132,726.76),(133,133,133,372.22),(134,134,134,161.48),(135,135,135,389.24),(136,136,136,1029.55),
(137,137,137,1259.25),(138,138,138,1203.76),(139,139,139,578.09),(140,140,140,1110.21),(141,141,141,846.04),
(142,142,142,1284.74),(143,143,143,1405.02),(144,144,144,926.63),(145,145,145,1482.55),(146,146,146,307.05),
(147,147,147,700.87),(148,148,148,1039.02),(149,149,149,469.65),(150,150,150,1488.89),(151,151,151,676.64),
(152,152,152,985.12),(153,153,153,655.42),(154,154,154,1325.02),(155,155,155,356.09),(156,156,156,430.68),
(157,157,157,883.36),(158,158,158,1267.98),(159,159,159,522.15),(160,160,160,478.43),(161,161,161,1146.98),
(162,162,162,1079.13),(163,163,163,244.25),(164,164,164,305.18),(165,165,165,995.61),(166,166,166,378.12),
(167,167,167,1102.05),(168,168,168,152.68),(169,169,169,319.03),(170,170,170,500.1),(171,171,171,977.29),
(172,172,172,1154.05),(173,173,173,1417.54),(174,174,174,1455.32),(175,175,175,101.88),(176,176,176,636.97),
(177,177,177,192.27),(178,178,178,859.62),(179,179,179,1108.84),(180,180,180,588.62),(181,181,181,1090.82),
(182,182,182,696.85),(183,183,183,646.11),(184,184,184,1072.86),(185,185,185,1057.41),(186,186,186,1493.96),
(187,187,187,980.6),(188,188,188,1119.85),(189,189,189,1251.13),(190,190,190,134.88),(191,191,191,183.3),
(192,192,192,1090.65),(193,193,193,761.7),(194,194,194,967.01),(195,195,195,154.42),(196,196,196,947),
(197,197,197,1129.58),(198,198,198,1035.23),(199,199,199,486.84),(200,200,200,1591.75),(201,201,201,442.33),
(202,202,202,0),(203,203,203,975.16),(204,204,204,154.02),(205,205,205,80.52),(206,206,206,755.19),
(207,207,207,914.22),(208,208,208,1250.09),(209,209,209,1460.82),(210,210,210,283.96),(211,211,211,545.88),
(212,212,212,1034.29),(213,213,213,1457.9),(214,214,214,371.56),(215,215,215,421.95),(216,216,216,620.79),
(217,217,217,1400.2),(218,218,218,124.9),(219,219,219,917.1),(220,220,220,581.09),(221,221,221,120.37),
(222,222,222,1341.22),(223,223,223,306.19),(224,224,224,881.19),(225,225,225,848.07),(226,226,226,478.03);
```

vi) Customer_special_considerations

```
INSERT INTO `customer_special_considerations` VALUES
(30,'Oxygen'),(49,'Medical assistance'),(37,'Oxygen'),(682,'Wheelchair'),(470,'Medical assistance'),
(305,'Wheelchair'),(950,'Wheelchair'),(505,'Wheelchair'),(764,'Medical assistance'),
(527,'Medical assistance'),(671,'Medical assistance'),(245,'Wheelchair'),(955,'Oxygen'),
(26,'Wheelchair'),(834,'Oxygen'),(81,'Wheelchair'),(365,'Oxygen'),(700,'Wheelchair'),
(732,'Medical assistance'),(410,'Medical assistance'),(36,'Wheelchair'),(807,'Medical assistance'),
(858,'Wheelchair'),(103,'Medical assistance'),(577,'Oxygen'),(41,'Oxygen'),(339,'Medical assistance'),
(400,'Oxygen'),(203,'Wheelchair'),(305,'Oxygen'),(458,'Wheelchair'),(47,'Medical assistance'),
(380,'Medical assistance'),(392,'Wheelchair'),(658,'Oxygen'),(546,'Oxygen'),(889,'Oxygen'),
(31,'Oxygen'),(648,'Wheelchair'),(13,'Wheelchair'),(732,'Wheelchair'),(718,'Wheelchair'),
(740,'Wheelchair'),(162,'Medical assistance'),(604,'Wheelchair'),(70,'Wheelchair'),
(149,'Medical assistance'),(371,'Oxygen'),(798,'Wheelchair'),(11,'Oxygen'),(114,'Wheelchair'),
(721,'Medical assistance'),(26,'Oxygen'),(716,'Wheelchair'),(388,'Oxygen'),(101,'Oxygen'),
(186,'Wheelchair'),(519,'Wheelchair'),(219,'Wheelchair'),(976,'Wheelchair'),(883,'Wheelchair'),
(582,'Wheelchair'),(28,'Medical assistance'),(485,'Oxygen'),(348,'Medical assistance'),
(105,'Wheelchair'),(185,'Oxygen'),(450,'Wheelchair'),(668,'Medical assistance'),(774,'Wheelchair'),
(691,'Oxygen'),(757,'Medical assistance'),(736,'Medical assistance'),(203,'Medical assistance'),
(673,'Medical assistance'),(487,'Oxygen'),(254,'Oxygen'),(941,'Oxygen'),(864,'Medical assistance'),
(188,'Wheelchair'),(292,'Oxygen'),(295,'Wheelchair'),(684,'Medical assistance'),(169,'Wheelchair'),
(903,'Wheelchair'),(360,'Wheelchair'),(968,'Wheelchair'),(484,'Medical assistance'),
(811,'Medical assistance'),(947,'Medical assistance'),(698,'Wheelchair'),(871,'Medical assistance'),
(59,'Wheelchair'),(716,'Oxygen'),(280,'Medical assistance'),(78,'Medical assistance'),
(866,'Medical assistance'),(686,'Oxygen'),(742,'Oxygen'),(849,'Wheelchair'),(26,'Oxygen'),
(335,'Wheelchair'),(972,'Medical assistance'),(291,'Wheelchair'),(637,'Medical assistance'),
(44,'Oxygen'),(196,'Wheelchair'),(629,'Wheelchair'),(671,'Oxygen'),(719,'Wheelchair'),
(536,'Medical assistance'),(657,'Oxygen'),(600,'Oxygen'),(36,'Oxygen'),(304,'Wheelchair'),
(504,'Wheelchair'),(599,'Oxygen'),(652,'Medical assistance'),(594,'Wheelchair'),
(675,'Medical assistance'),(252,'Wheelchair'),(233,'Medical assistance'),(971,'Oxygen'),
(775,'Wheelchair'),(303,'Wheelchair'),(150,'Oxygen'),(699,'Oxygen'),(53,'Medical assistance'),
(189,'Medical assistance'),(531,'Wheelchair'),(245,'Oxygen'),(30,'Medical assistance'),
(188,'Medical assistance'),(747,'Wheelchair'),(573,'Oxygen'),(481,'Medical assistance'),
(801,'Wheelchair'),(38,'Medical assistance'),(594,'Wheelchair'),(546,'Medical assistance'),
(285,'Wheelchair'),(58,'Oxygen'),(898,'Oxygen'),(646,'Oxygen'),(862,'Oxygen'),(752,'Wheelchair'),
(932,'Oxygen'),(118,'Wheelchair'),(689,'Medical assistance'),(316,'Wheelchair');
```

vii) Discount_fines

```
insert into Discounts_Fines(Discount_Fine, D_Percentage, D_Amount) VALUES
("Flight Cancelation technical reasons", -1, null),
("Flight Cancelation by customer before 10 hours", -.9, null),
("Flight Cancelation by customer within 10 hours", -.66, null),
("5KG over fee", 0, 10),
("Extra luggage", 0, 50),
("10KG over fee", 0, 25),
("Under 12 discount", -.6, 0),
("Under 3 discount", -.8, 0);
```

viii) Employees

```
INSERT INTO Employees(Employee_id, Employee_name, Employee_function, Main_airport, Salaray) VALUES
("EMP-00001", "Axel Van Hoyweghen", "CEO", "BRU", 3203062.69),
("EMP-00002", "James H. Doolittle", "Pilot", "ORD", 136988.23),
("EMP-00003", "Noel Wien", "Pilot", "HKG", 130840.66),
("EMP-00004", "Robert A. Hoover", "Pilot", "JFK", 126341.38),
("EMP-00005", "Charles A. Lindbergh", "Pilot", "LHR", 137543.69),
("EMP-00006", "Charles E. Yeager", "Pilot", "CDG", 134739.97),
("EMP-00007", "Scott Crossfield", "Pilot", "PEK", 120132.75),
("EMP-00008", "Erich Hartmann", "Pilot", "LAX", 147106.63),
("EMP-00009", "Jean Mermoz", "Pilot", "ATL", 141205.82),
("EMP-00010", "Jacqueline Auriol", "Pilot", "CDG", 129648.14),
("EMP-00011", "Amelia Earhart", "Pilot", "AMS", 121591.22),
("EMP-00012", "Eva Mendes", "flight attendant", "HKG", 48188.56),
("EMP-00013", "Julianne Hough", "flight attendant", "LHR", 41470.695317),
("EMP-00014", "Clair Bidez", "Finance", "BRU", 119580.68270217),
("EMP-00015", "Gracie Gold", "Check-in", "JFK", 50662.926310051),
("EMP-00016", "Natalie Portman", "Flight attendant", "ATL", 46794.936904588),
("EMP-00017", "Jennifer Lopez", "Check-in", "LAX", 48439.282967448),
("EMP-00018", "Jessica Alba", "HR", "AMS", 95584.01942746),
("EMP-00019", "Katy Perry", "Finance", "BRU", 89074.85816119),
("EMP-00020", "Hilary Knight", "Check-in", "LHR", 40809.216704596),
("EMP-00021", "Anna Fenninger", "Check-in", "BRU", 52595.50339896),
("EMP-00022", "Alana Blanchard", "Personal assistant CEO", "BRU", 0),
("EMP-00023", "David Beckham", "flight attendant", "AMS", 42574.441524956),
("EMP-00024", "Chris Hemsworth", "flight attendant", "HKG", 48001.260821708),
("EMP-00025", "Adam Levine", "Check-in", "ATL", 50561.540576425),
("EMP-00026", "Channing Tatum", "flight attendant", "CDG", 46794.936904588),
("EMP-00027", "Bradley Cooper", "Check-in", "CDG", 44329.087587227),
("EMP-00028", "Ryan Reynolds", "Check-in", "AMS", 40511.223254963),
("EMP-00029", "Johnny Depp", "flight attendant", "ORD", 47187.460131099),
("EMP-00030", "Hugh Jackman", "Maintenance", "AMS", 43699.382896861),
("EMP-00031", "Matt Damon", "flight attendant", "DFW", 54966.795523635),
("EMP-00032", "Jeff Bezos", "IT", "CDG", 112595.98153531),
("EMP-00033", "Bill Gates", "IT", "CDG", 110919.43975814),
("EMP-00034", "Amancio Ortega", "Acquesistion", "BRU", 91674.497426336),
("EMP-00035", "Warren Buffet", "CFO", "BRU", 2604392.22),
("EMP-00036", "Mark Zuckerberg", "Communication", "PEK", 87664.56370366),
("EMP-00037", "Carlos Slim Helu", "Flight manager", "DFW", 123929.16205988),
("EMP-00038", "Larry Ellison", "HR", "ATL", 93280.184608083),
("EMP-00039", "Michael Bloomberg", "Maintenance", "SEA", 44329.087587227),
("EMP-00040", "Nick Ceulemans", "Prutser van dienst", "BRU", 2169630.961);
```

ix) Flights(only the first 100)

```

INSERT INTO `flights` VALUES
(1,'Airbus A350-900 (1)', 'BRU', 'ATL', '2017-11-27', '10:30:00', '2017-11-27', '14:35:00', '0,0,0,605,7100,1014,1115.4,2433.6,148,27,20),
(2,'Boeing 767-400ER (1)', 'ATL', 'LAX', '2017-11-27', '19:10:00', '2017-11-27', '21:00:00', '0,0,0,290,3120,290,319,696,103,24,35),
(3,'Airbus A350-900 (2)', 'LAX', 'MEX', '2017-11-27', '22:25:00', '2017-11-28', '02:25:00', '0,0,0,120,2490,439,482.9,1053.6,43,34,28),
(4,'Airbus A321-220 (1)', 'DTW', 'AMS', '2017-11-27', '15:50:00', '2017-11-28', '05:28:00', '0,0,0,520,6090,804,884.4,1929.6,108,6,3),
(5,'Boeing 757-300 (1)', 'AMS', 'BRU', '2017-11-27', '06:50:00', '2017-11-27', '07:35:00', '0,0,0,45,158,74,81.1,177,16,21),(
6,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-11-27', '10:40:00', '2017-11-27', '11:40:00', '0,0,0,60,158,65,71.5,156,177,15,6),
(7,'Airbus A321-220 (1)', 'AMS', 'DTW', '2017-11-27', '13:00:00', '2017-11-27', '16:02:00', '0,0,0,542,6090,1105,1215.5,2652,39,4,5),
(8,'Boeing 757-300 (1)', 'AMS', 'BRU', '2017-11-28', '06:50:00', '2017-11-28', '07:35:00', '0,0,0,45,158,122,23,146,676,293,352,129,24,11),
(9,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-11-28', '10:40:00', '2017-11-28', '11:40:00', '0,0,0,60,158,130,143,312,6,10,6),
(10,'Airbus A330-300 (2)', 'DTW', 'CDG', '2017-11-28', '21:05:00', '2017-11-29', '10:55:00', '0,0,0,470,6360,1413,1554.3,3391.2,161,16,16),
(11,'Airbus A350-900 (1)', 'BRU', 'ATL', '2017-11-29', '10:30:00', '2017-11-29', '14:35:00', '0,0,0,605,7100,1312,1443.2,3148.8,116,38,7),
(12,'Boeing 767-400ER (1)', 'ATL', 'LAX', '2017-11-29', '19:10:00', '2017-11-29', '21:00:00', '0,0,0,290,3120,322,354.2,772.8,41,14,39),
(13,'Airbus A350-900 (2)', 'LAX', 'MEX', '2017-11-29', '22:25:00', '2017-11-30', '02:25:00', '0,0,0,120,2490,513,564.3,1231.2,158,11,23),
(14,'Airbus A321-220 (1)', 'DTW', 'AMS', '2017-11-29', '15:50:00', '2017-11-30', '05:28:00', '0,0,0,520,6090,976,1073.6,2342.4,91,14,13),
(15,'Boeing 757-300 (1)', 'AMS', 'BRU', '2017-11-29', '06:50:00', '2017-11-29', '07:35:00', '0,0,0,45,158,102,112.2,244.8,128,9,21),
(16,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-11-29', '10:40:00', '2017-11-29', '11:40:00', '0,0,0,60,158,110,121,264,52,24,18),
(17,'Airbus A321-220 (1)', 'AMS', 'DTW', '2017-11-29', '13:00:00', '2017-11-29', '16:02:00', '0,0,0,542,6090,999,1098.9,2397.6,65,18,20),
(18,'Airbus A330-300 (2)', 'CDG', 'DTW', '2017-11-29', '11:35:00', '2017-11-29', '14:50:00', '0,0,0,555,6360,1096,1205.6,2630.4,11,35,7),
(19,'Airbus A321-220 (3)', 'ATL', 'DTW', '2017-11-29', '12:40:00', '2017-11-29', '14:39:00', '0,0,0,119,959,298,327.8,715.2,60,0,8),
(20,'Boeing 757-300 (1)', 'AMS', 'BRU', '2017-11-30', '06:50:00', '2017-11-30', '07:35:00', '0,0,0,45,158,60,66,144,81,3,19),
(21,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-11-30', '10:40:00', '2017-11-30', '11:40:00', '0,0,0,60,158,150,165,360,143,22,21),
(22,'Airbus A330-300 (2)', 'DTW', 'CDG', '2017-11-30', '21:05:00', '2017-12-01', '10:55:00', '0,0,0,470,6360,1157,1272.2,2776.8,38,31,18),
(23,'Airbus A321-220 (3)', 'ATL', 'DTW', '2017-11-30', '12:40:00', '2017-11-30', '14:39:00', '0,0,0,119,959,282,310.2,676.8,80,6,1),
(24,'Boeing 757-300 (2)', 'DTW', 'PEK', '2017-11-30', '16:30:00', '2017-12-01', '19:30:00', '0,0,0,840,10700,1617,1778.7,3880.8,121,32,22),
(25,'Airbus A350-900 (1)', 'BRU', 'ATL', '2017-12-01', '10:30:00', '2017-12-01', '14:35:00', '0,0,0,605,7100,1308,1438.8,3139.2,217,43,5),
(26,'Boeing 767-400ER (1)', 'ATL', 'LAX', '2017-12-01', '19:10:00', '2017-12-01', '21:00:00', '0,0,0,290,3120,319,350.9,765,6,175,28,40),
(27,'Airbus A350-900 (2)', 'LAX', 'MEX', '2017-12-01', '22:25:00', '2017-12-02', '02:25:00', '0,0,0,120,2490,658,723.8,1579.7,210,15,2),
(28,'Airbus A321-220 (1)', 'DTW', 'AMS', '2017-12-01', '15:50:00', '2017-12-02', '05:28:00', '0,0,0,520,6090,829,911.9,1989.6,70,14,19),
(29,'Boeing 757-300 (1)', 'AMS', 'BRU', '2017-12-01', '06:50:00', '2017-12-01', '07:35:00', '0,0,0,45,158,65,71.5,156,147,7,4),
(30,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-12-01', '10:40:00', '2017-12-01', '11:40:00', '0,0,0,60,158,99,108.9,237.6,106,28,13),
(31,'Airbus A321-220 (1)', 'AMS', 'DTW', '2017-12-01', '13:00:00', '2017-12-01', '16:02:00', '0,0,0,542,6090,856,941.6,2054.4,13,9,19),
(32,'Airbus A330-300 (2)', 'CDG', 'DTW', '2017-12-01', '11:35:00', '2017-12-01', '14:50:00', '0,0,0,555,6360,1661,1827.1,3986.4,25,16,27),
(33,'Airbus A321-220 (3)', 'ATL', 'DTW', '2017-12-01', '12:40:00', '2017-12-01', '14:39:00', '0,0,0,119,959,309,339.9,741.6,75,13,10),
(34,'Airbus A321-220 (1)', 'DTW', 'AMS', '2017-12-02', '15:50:00', '2017-12-03', '05:28:00', '0,0,0,520,6090,877,964.7,2104.8,20,14,7),
(35,'Boeing 757-300 (1)', 'AMS', 'BRU', '2017-12-02', '06:50:00', '2017-12-02', '07:35:00', '0,0,0,45,158,88,90,88,192,1,6,16),
(36,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-12-02', '10:40:00', '2017-12-02', '11:40:00', '0,0,0,60,158,106,116.6,254.4,169,17,18),
(37,'Airbus A321-220 (1)', 'AMS', 'DTW', '2017-12-02', '13:00:00', '2017-12-02', '16:02:00', '0,0,0,542,6090,1020,1122,2448,61,28,17),
(38,'Airbus A330-300 (2)', 'DTW', 'CDG', '2017-12-02', '21:05:00', '2017-12-03', '10:55:00', '0,0,0,470,6360,1321,1453.1,3170.4,103,13,18),
(39,'Airbus A321-220 (3)', 'ATL', 'DTW', '2017-12-02', '12:40:00', '2017-12-02', '14:39:00', '0,0,0,119,959,256,281.6,614.4,28,28,14),
(40,'Airbus A350-900 (1)', 'BRU', 'ATL', '2017-12-03', '10:30:00', '2017-12-03', '14:35:00', '0,0,0,605,7100,1210,1331,2904.9,34,46,28),
(41,'Boeing 767-400ER (1)', 'ATL', 'LAX', '2017-12-03', '19:10:00', '2017-12-03', '21:00:00', '0,0,0,290,3120,241,265.1,578.4,121,4,15),
(42,'Airbus A350-900 (2)', 'LAX', 'MEX', '2017-12-03', '22:25:00', '2017-12-04', '02:25:00', '0,0,0,120,2490,573,630.3,1375.2,1,32,6),
(43,'Boeing 757-300 (1)', 'AMS', 'BRU', '2017-12-03', '06:50:00', '2017-12-03', '07:35:00', '0,0,0,45,158,104,114.4,249.6,5,13,6),
(44,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-12-03', '10:40:00', '2017-12-03', '11:40:00', '0,0,0,60,158,88,90,88,192,141,18,5),
(45,'Airbus A330-300 (2)', 'CDG', 'DTW', '2017-12-03', '11:35:00', '2017-12-03', '14:50:00', '0,0,0,555,6360,1172,1289.2,2812.8,126,39,4),
(46,'Airbus A321-220 (3)', 'ATL', 'DTW', '2017-12-03', '12:40:00', '2017-12-03', '14:39:00', '0,0,0,119,959,287,315.7,688.8,133,26,8),
(47,'Boeing 757-300 (2)', 'DTW', 'PEK', '2017-12-03', '16:30:00', '2017-12-04', '19:30:00', '0,0,0,840,10700,1302,1432.2,3124.8,8,59,22,20),
(48,'Airbus A321-220 (1)', 'DTW', 'AMS', '2017-12-04', '15:50:00', '2017-12-05', '05:28:00', '0,0,0,520,6090,852,937.2,2044.8,71,18,19),
(49,'Boeing 757-300 (1)', 'AMS', 'BRU', '2017-12-04', '06:50:00', '2017-12-04', '07:35:00', '0,0,0,45,158,85,93.5,204.7,25,21),
(50,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-12-04', '10:40:00', '2017-12-04', '11:40:00', '0,0,0,60,158,104,114.4,249.6,114,12,20),
(51,'Airbus A321-220 (1)', 'AMS', 'DTW', '2017-12-04', '13:00:00', '2017-12-04', '16:02:00', '0,0,0,542,6090,1134,1247.4,2721.6,11,27,5),
(52,'Airbus A330-300 (2)', 'DTW', 'CDG', '2017-12-04', '21:05:00', '2017-12-05', '10:55:00', '0,0,0,470,6360,1379,1516.9,3309.6,151,14,3),
(53,'Airbus A321-220 (3)', 'ATL', 'DTW', '2017-12-04', '12:40:00', '2017-12-04', '14:39:00', '0,0,0,119,959,251,276.1,602.4,40,18,19),
(54,'Airbus A350-900 (1)', 'BRU', 'ATL', '2017-12-05', '10:30:00', '2017-12-05', '14:35:00', '0,0,0,605,7100,929,1021.9,2229.6,120,8,24),
(55,'Boeing 767-400ER (1)', 'ATL', 'LAX', '2017-12-05', '19:10:00', '2017-12-05', '21:00:00', '0,0,0,290,3120,266,292.6,638.4,177,12,2),
(56,'Airbus A350-900 (2)', 'LAX', 'MEX', '2017-12-05', '22:25:00', '2017-12-06', '02:25:00', '0,0,0,120,2490,472,519.2,1132.8,162,7,26),
(57,'Boeing 757-300 (1)', 'AMS', 'BRU', '2017-12-05', '06:50:00', '2017-12-05', '07:35:00', '0,0,0,45,158,97,106.7,232.8,134,6,15),(
58,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-12-05', '10:40:00', '2017-12-05', '11:40:00', '0,0,0,60,158,136,149.6,326.4,90,5,22),
(59,'Airbus A330-300 (2)', 'CDG', 'DTW', '2017-12-05', '11:35:00', '2017-12-05', '14:50:00', '0,0,0,555,6360,1321,1354.1,2954.4,194,31,17),
(60,'Airbus A321-220 (3)', 'ATL', 'DTW', '2017-12-05', '12:40:00', '2017-12-05', '14:39:00', '0,0,0,119,959,274,301.4,657.6,52,7,15),
(61,'Airbus A321-220 (1)', 'DTW', 'AMS', '2017-12-06', '15:50:00', '2017-12-07', '05:28:00', '0,0,0,520,6090,1086,1194.6,2606.4,119,16,18),
(62,'Boeing 757-300 (1)', 'AMS', 'BRU', '2017-12-06', '06:50:00', '2017-12-06', '07:35:00', '0,0,0,45,158,123,135.3,295.2,32,25,9),
(63,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-12-06', '10:40:00', '2017-12-06', '11:40:00', '0,0,0,60,158,104,114.4,249.6,101,10,2),
(64,'Airbus A321-220 (1)', 'AMS', 'DTW', '2017-12-06', '13:00:00', '2017-12-06', '16:02:00', '0,0,0,542,6090,1341,1475.1,3218.4,108,12,14),
(65,'Airbus A330-300 (2)', 'DTW', 'CDG', '2017-12-06', '21:05:00', '2017-12-07', '10:55:00', '0,0,0,470,6360,1277,1404.7,3064.8,48,32,2),
(66,'Airbus A321-220 (3)', 'ATL', 'DTW', '2017-12-06', '12:40:00', '2017-12-06', '14:39:00', '0,0,0,119,959,222,244.2,532.8,4,2,0),
(67,'Boeing 757-300 (2)', 'DTW', 'PEK', '2017-12-06', '16:30:00', '2017-12-07', '19:30:00', '0,0,0,840,10700,1533,1686.3,3679.2,84,44,1),
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(69,'Boeing 767-400ER (1)', 'ATL', 'LAX', '2017-12-07', '19:10:00', '2017-12-07', '21:00:00', '0,0,0,290,3120,379,416.9,909.6,70,19,8),
(70,'Airbus A350-900 (2)', 'LAX', 'MEX', '2017-12-07', '22:25:00', '2017-12-08', '02:25:00', '0,0,0,120,2490,604,664.4,1449.6,1,34,29),
(71,'Boeing 757-300 (1)', 'AMS', 'BRU', '2017-12-07', '06:50:00', '2017-12-07', '07:35:00', '0,0,0,45,158,70,77,168,107,10,0),
(72,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-12-07', '10:40:00', '2017-12-07', '11:40:00', '0,0,0,60,158,143,312,133,30,7),
(73,'Airbus A330-300 (2)', 'CDG', 'DTW', '2017-12-07', '11:35:00', '2017-12-07', '14:50:00', '0,0,0,555,6360,1152,1267.2,2764.8,144,18,6),
(74,'Airbus A321-220 (3)', 'ATL', 'DTW', '2017-12-07', '12:40:00', '2017-12-07', '14:39:00', '0,0,0,119,959,335,368.5,804,33,19,3),
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(77,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-12-08', '10:40:00', '2017-12-08', '11:40:00', '0,0,0,60,158,95,104.5,228,166,17,7),
(78,'Airbus A321-220 (1)', 'AMS', 'DTW', '2017-12-08', '13:00:00', '2017-12-08', '16:02:00', '0,0,0,542,6090,866,952.6,2078.4,133,15,9),
(79,'Airbus A330-300 (2)', 'DTW', 'CDG', '2017-12-08', '21:05:00', '2017-12-09', '10:55:00', '0,0,0,470,6360,1016,1117.6,2434.8,103,19,21),
(80,'Airbus A321-220 (3)', 'ATL', 'DTW', '2017-12-08', '12:40:00', '2017-12-08', '14:39:00', '0,0,0,119,959,244,268.4,585.6,25,10,1),
(81,'Airbus A350-900 (1)', 'BRU', 'ATL', '2017-12-09', '10:30:00', '2017-12-09', '14:35:00', '0,0,0,605,7100,980,1078,2352,204,46,4),
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(84,'Airbus A321-220 (1)', 'DTW', 'AMS', '2017-12-09', '15:50:00', '2017-12-10', '05:28:00', '0,0,0,520,6090,1049,1153.9,2517.6,50,26,9),
(85,'Boeing 757-300 (1)', 'AMS', 'BRU', '2017-12-09', '06:50:00', '2017-12-09', '07:35:00', '0,0,0,45,158,95,104.5,228,57,0,24),
(86,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-12-09', '10:40:00', '2017-12-09', '11:40:00', '0,0,0,60,158,69,75.9,165.6,123,8,4),
(87,'Airbus A321-220 (1)', 'AMS', 'DTW', '2017-12-09', '13:00:00', '2017-12-09', '16:02:00', '0,0,0,542,6090,918,1009.8,2203.2,102,9,12),
(88,'Airbus A330-300 (2)', 'CDG', 'DTW', '2017-12-09', '11:35:00', '2017-12-09', '14:50:00', '0,0,0,555,6360,1575,1732.5,3780,191,28,8),
(89,'Airbus A321-220 (3)', 'ATL', 'DTW', '2017-12-09', '12:40:00', '2017-12-09', '14:39:00', '0,0,0,119,959,312,343.2,748.8,15,27,12),
(90,'Boeing 757-300 (2)', 'DTW', 'PEK', '2017-12-09', '16:30:00', '2017-12-10', '19:30:00', '0,0,0,840,10700,1660,1826,3984,59,37,16),
(91,'Boeing 757-300 (1)', 'AMS', 'BRU', '2017-12-10', '06:50:00', '2017-12-10', '07:35:00', '0,0,0,45,158,126,138.6,302.4,51,35),
(92,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-12-10', '10:40:00', '2017-12-10', '11:40:00', '0,0,0,60,158,111,122.1,266.4,72,5,17),
(93,'Airbus A330-300 (2)', 'DTW', 'CDG', '2017-12-10', '21:05:00', '2017-12-11', '10:55:00', '0,0,0,470,6360,1553,1708.3,3727.2,175,27,15),
(94,'Airbus A321-220 (3)', 'ATL', 'DTW', '2017-12-10', '12:40:00', '2017-12-10', '14:39:00', '0,0,0,119,959,310,341,744,6,4,7),

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(95,'Airbus A350-900 (1)', 'BRU', 'ATL', '2017-12-11', '10:30:00', '2017-12-11', '14:35:00', '0,0,0,605,7100,1148,1262.8,2755.2,87,25,14),
 (96,'Boeing 767-400ER (1)', 'ATL', 'LAX', '2017-12-11', '19:10:00', '2017-12-11', '21:00:00', '0,0,0,290,3120,341,375.1,818.4,58,3,4),
 (97,'Airbus A350-900 (2)', 'LAX', 'MEX', '2017-12-11', '22:25:00', '2017-12-12', '02:25:00', '0,0,0,120,2490,622,684.2,1492.8,191,44,16),
 (98,'Airbus A321-220 (1)', 'DTW', 'AMS', '2017-12-11', '15:50:00', '2017-12-12', '05:28:00', '0,0,0,520,6090,925,1017.5,2220,101,0,19),
 (99,'Boeing 757-300 (1)', 'AMS', 'BRU', '2017-12-11', '06:50:00', '2017-12-11', '07:35:00', '0,0,0,45,158,118,129.8,283.2,92,24,15),
 (100,'Boeing 757-300 (1)', 'BRU', 'AMS', '2017-12-11', '10:40:00', '2017-12-11', '11:40:00', '0,0,0,60,158,78,85.8,187.2,121,25,12);

x) Guest_customers(only first 50)

```
INSERT INTO `guest_customers` VALUES (1,'Norman Dorrins','ndorrins0@utexas.edu',NULL,'36 Roxbury Court','Selaphum','Thailand','1976-11-01','Passport','QPKA-598821708'),  

  (2,'Lucas Donnel','ldonnel1@biglobe.ne.jp','+62 683 452 9130','72420 Village Green Place','Nangewer','Indonesia','1964-06-29','Driver license','XDRK-629743270'),  

  (3,'Roscas Pawelek','rpawelek2@google.co.jp','+86 633 496 8564','17058 Forest Hill','Xingang','China','1981-09-17','Green card','DVPX-278365689'),  

  (4,'Charles Carlesso','ccarlesso3@google.fr','+51 693 247 2171','6461 Linden Crossing','Carabayllo','Peru','1968-02-10','Passport','OQU-954205697'),  

  (5,'Teresina Henner','t.henner4@mozilla.com','+62 980 706 8570','583 Service Point','Bangunsari','Indonesia','1971-08-18','Passport','DNEE-339386911'),  

  (6,'Eldon Scowrah','esowrah5@virginia.edu',NULL,'25 Cottonwood Circle','Vyselki','Russia','2001-05-13','Passport','KHHT-088903014'),  

  (7,'Chloris Springham','springsham6@state.gov','+86 361 801 7297','462 Acker Trail','Beihai','China','1988-03-03','Passport','BZTV-072168188'),  

  (8,'Gregor Cleare','gcleare7@geondesign.com','+58 447 926 8354','9 Grayhawk Drive','Brusual','Venezuela','2010-12-05','Passport','AKRU-608949047'),  

  (9,'Angela Wilkerson','awilkerson8@oracle.com',NULL,'1007 Westridge Road','Talunecmara','Indonesia','1999-03-03','other','IGSB-368134799'),  

  (10,'Gusella Laugheran','glaugheran9@dadddy.com',NULL,'1007 Westridge Road','Talunecmara','Indonesia','1999-03-03','other','IGSB-368134799'),  

  (11,'Vivian Cholomin','vcholomina@statcounter.com','+86 812 946 9644','9 Laurel Avenue','Qiaotou','China','1995-02-27','Green card','MHW-971570606'),  

  (12,'Quanita Pfeffel','jpfeffel1@apache.org',NULL,'817 Hoeptier Crossing','Sepouy','Burkina Faso','1963-04-02','Passport','YIMP-910226283'),  

  (13,'Moritz Bennington','mbennington1@3.org','+420 435 971 3308','550 Rusk Circle','Petrov','Czech Republic','1955-02-14','Green card','UPBE-454173475'),  

  (14,'Angel Langabeer','alangabeer2@yellowbook.com','+61 923 521 1560','2 Le Follette Plaza','Bojawa','Indonesia','2013-06-28','Passport','RXFG-272663141'),  

  (15,'Keely Garvey','kgarveyg@phoca.cz','+375 881 572 5172','82596 Elgar Pass','Soly','Belarus','1976-11-27','Green card','HQZW-911048408'),  

  (16,'Dalston Duckett','dduckett8@rechte24.de','+48 165 751 8312','526 Pawling Terrace','Rajsko'),  

  (17,'Maddie Garvey','mgarveyg@phoca.cz','+375 881 572 5172','82596 Elgar Pass','Soly','Belarus','1976-11-27','Green card','HQZW-911048408'),  

  (18,'Chick Oxbrowne','coxbrowne8@phoca.cz','+86 468 382 5474','3 Fair Oaks Way','Henggang','China','1976-11-10','Passport','QSC-005200183'),  

  (19,'Annissa Campanelli','acampbell11@is.gd','+234 651 822 8086','2679 Claremont Way','Wagini','Nigeria','2011-02-26','Green card','YTAG-369819763'),  

  (20,'Bip Asgoboyi','rasgoboyi@homestead.net','+86 946 133 1543','518 Northport Alley','Kongjilafang','China','1979-12-11','Passport','TETX-615648719'),  

  (21,'Eva Miles','emileesk@irs.gov','+48 517 369 7622','253 Klingsford Junction','Przasnysz','Poland','1978-05-04','Driver license','VUVK-981860433'),  

  (22,'Noelly Haslehurst','nhaslehurst@digic.com','+30 768 924 3110','2317 Melby Circle','Tríkala','Greece','1957-09-28','other','PVNH-869912594'),  

  (23,'Pancy Coast','fcoastm@okklassniki.ru','+63 270 885 6863','26 Spohn Way','San Vicente','Philippines','1954-08-24','Passport','LRVJ-570693144'),  

  (24,'Ginnifer Ceesford','gcessfordn@online.de','+1 810 981 9295','6 McGuire Point','Camachio','Canada','1976-10-01','Passport','CZMJ-717296830'),  

  (25,'Bob Sturzaker','rsturzakerx@opera.com','+63 200 292 0448','2 Heffernan Way','MacArthur','Philippines','1996-09-16','other','MBBW-015084006'),  

  (26,'Phil Harrema','pharremag@google.cn','+66 660 494 9499','36 Utah Terrace','Bangkok'),  

  (27,'Chrotoem Dalman','cdalmanq@newswine.com','+375 881 572 7349','0975 Fieldstone Parkway','Tsayangulovo','Russia','1987-12-25','Driver license','RVAV-345823644'),  

  (28,'Lina Whittlock','lwhittlock8@spala.or.jp','+7 504 927 7349','0975 Fieldstone Parkway','Tsayangulovo','Russia','1987-12-25','Driver license','RVAV-345823644'),  

  (29,'Dometer Nonc','dnones@ox.ac.uk','+48 517 369 7622','253 Klingsford Junction','Przasnysz','Poland','1978-05-04','Driver license','DJKG-223223784'),  

  (30,'Clari Brumfield','cbrumfield@amazon.co.jp','+256 245 790 4173','64849 Rockefeller Place','Soroti','Uganda','1991-04-22','Green card','QNTN-203373552'),  

  (31,'Alexander Welfare','awelfare1@dot.gov','+62 428 690 4023','2 Erie Junction','Ankole','Indonesia','1961-05-13','other','BVNO-041936692'),  

  (32,'Laraine Adamou','ladamouu@led.com','+7 150 116 3820','2 Nelson Junction','Pogranichny','Russia','2017-10-01','Driver license','RPP-254783161'),  

  (33,'Petronilla McClosh','pmccloshw@upenn.edu','+62 145 656 7345','87534 Rutledge Place','Cipanjang','Indonesia','1978-02-03','Driver license','FAGK-670904436'),  

  (34,'Brant Lardner','blardnerx@seatlettimes.com','+1 788 509 3009','2989 Duke Drive','Juncalito Abajo','Dominican Republic','1986-06-26','Driver license','RAJX-527634707'),  

  (35,'Glyn Lewsy','glewsy@jithis.com','+86 940 937 3581','135 Panrzatz Hill','Yongsheshi','China','1995-05-05','Driver license','QQWY-217600422'),  

  (36,'Bydie Mushrow','emushrowz@google.co.uk','+62 234 996 7124','54 Warner Way','Baumata','Indonesia','1961-09-25','other','PEGH-700259141'),  

  (37,'Modestine Shevels','mshevels@10meetup.com','+46 146 977 0357','8 Autumn Leaf Crossing','Angelholm','Sweden','1966-06-10','Passport','HUFM-298742366'),  

  (38,'Maggi Radborn','mrabdon1@hud.gov','+54 940 612 2246','7 Portage Drive','Paso de Indios','Argentina','2006-03-20','other','VDMK-497036892'),  

  (39,'Amble Sketh','asketh1@imgur.com','+57 512 704 9448','47213 Cascade Park','Daruyan','China','1978-04-16','Driver license','LXHR-687135142'),  

  (40,'Siouxie Scourgie','sscourgiel3@who.int','+44 165 319 1077','067 Meadow Ridge Junction','Solleftea','Sweden','2010-06-29','other','SYNT-091227762'),  

  (41,'Trixie Lynxie','tlynxie1@creaglist.org','+86 333 701 2243','9 Maryland Plaza','Shuangheku','China','1959-06-03','other','TGAC-551021450'),  

  (42,'Eugenie Tritton','etritton12@google.fr','+86 884 771 6552','5800 Mayfield Circle','Houzhen','China','1958-01-12','Passport','CBRK-844352160'),  

  (43,'Sibley Harback','sharpback1@usa.gov','+86 613 471 1982','53153 Morrow Terrace','Kazoo','Japan','2002-03-01','other','JAWD-624791052'),  

  (44,'Gian Radford','gradford17@indiatimes.com','+86 538 511 1855','55 Garrison Circle','Jiangnan','China','1964-03-28','Passport','DKBN-901528760'),  

  (45,'Maria Radcastle','mradcastle10@time.com','+86 191 866 4448','47213 Cascade Park','Miribel','France','1973-11-13','other','NDAO-457003466'),  

  (46,'Neill Roberts','nroberts19@vinacra.com','+351 998 221 0146','136 Granby Place','Venda de Galizes','Portugal','1967-10-23','other','KAUS-035499216'),  

  (47,'Scott Raybould','sraybould1@senate.gov','+86 360 220 7447','4897 Kings Center','Wangchuanchang','China','1958-03-26','Passport','WRIH-503060104'),  

  (48,'Eleni Emetti','eemettil8@ibm.com','+355 878 260 7778','22 Golf Lane','Papet','Albania','1960-04-06','Passport','YDGA-525346539'),  

  (49,'Rip Hurst','rhurstlc@ameblo.jp','+46 981 843 5562','91 Victoria Lane','Borgholm','Sweden','1982-03-22','Passport','DQWY-538805653'),  

  (50,'Christel Hartup','chartup1d@jithis.com',NULL,'54 Hintze Point','Wolfsberg','Austria','2014-01-16','other','RZHQ-068990071'),  

  (50);
```

xi) In_flight_services

```
INSERT INTO In_flight_services(Service, price) VALUES  

  ("WIFI Full flight", 36.0),  

  ("WIFI 1-hour", 10.0),  

  ("WIFI 4-hour", 25.0),  

  ("Phone charger", 5.50),  

  ("Media access", 10.20),  

  ("Media access FREE", 10.20),  

  ("Complementary 1-hour WIFI", 0);
```

xii) Members (partially)

```

INSERT INTO `members` VALUES (1,'ndorrins0@utexas.edu','TppOzQ54jpRK'),(2,'ldonnell@biglobe.ne.jp','I2u2p1TH'),
(3,'rpawelek2@google.co.jp','avMrvtjBKT2T'),(4,'ccarless03@google.fr','bdNHTizw3'),(5,'thenner4@mozilla.com','0WM5rL8v'),
(6,'esowrah5@virginia.edu','XaVG3EfV'),(7,'cspringham6@state.gov','dig223Qp5ex'),(8,'gcleare7@dagondesign.com','QGrBoZJ1CH'),
(9,'awilkerson8@oracle.com','W82rbB14'),(10,'glaugheran9@godaddy.com','t8zwqVSN0'),(11,'vcholomina@statcounter.com','dgjL3X'),
(12,'jpfeffelb@apache.org','25PKGNxyakj2'),(13,'mbenningtonc@w3.org','Dtk7oZU208mw'),
(14,'alangabeerd@yellowbook.com','t0ijmO30sMe'),(15,'kjennouree@reddit.com','Dj0jsSf6Xb'),
(16,'dduckerf@e-recht24.de','oeiKWWajGanv'),(17,'mgarveyg@phoca.cz','PS1crB'),(18,'coxbrown@vk.com','4IHekXsivDF'),
(19,'acamanelli@is.gd','RnHWhMRlN6Q'),(20,'rasgodbyj@homestead.com','5blyNjzBNVK'),(21,'emilesk@irs.gov','C2rePCp7m'),
(22,'nhaslehurst1@diggt.com','G83iLYs0'),(23,'fcoastm@odnoklassniki.ru','WPmzIOodDq9T'),(24,'gcessfordn@t-online.de','jisUsKDv'),
(25,'rsturzakero@opera.com','LQTX0TG'),(26,'pharremap@google.cn','RM5yqQE'),(27,'cdalmanq@newsvine.com','YT7ze6H4'),
(28,'lwhittockr@plala.or.jp','c5S7ije'),(29,'dnonos@ox.ac.uk','VD0aAojobtxX'),(30,'cbrumfieldt@amazon.co.jp','viQ4joi3x'),
(31,'awelfareu@dot.gov','V7w2mfIxsBM'),(32,'ladamou@ted.com','JHUsVKZ'),(33,'pmcclosch@upenn.edu','WtLriothhsW'),
(34,'blardnerx@seattletimes.com','weowlEyFn'),(35,'glewsyy@jiathis.com','BjofBj1DR'),(36,'emushrowz@google.co.uk','5qSM93yGGazD'),
(37,'msheivils10@meetup.com','B8LsS8q1'),(38,'mraborn11@hud.gov','ihCtwIM15Wgb'),(39,'asketh12@imgur.com','QNC7GUusu'),
(40,'sscourgie13@who.int','fmFoQMLuyb'),(41,'tlynnitt14@craiglist.org','u6SmcSUUVHuF'),(42,'etritten15@google.fr','yG0ZyzQ2ND'),
(43,'sharback16@usda.gov','7sZQxFXjl'),(44,'gradford17@indiatimes.com','bZpj47uaNf'),(45,'mreucastle18@time.com','C6c6Pz'),
(46,'nroberds19@vinaora.com','CFF0gBfbf'),(47,'sraybouldla@senate.gov','FuJuozzyU'),(48,'eemettilb@ibm.com','mgn5uwkp'),
(49,'rhurst1c@ameblo.jp','aR2UIX'),(50,'chartnupld@jiathis.com','TAfyESQz5S1J'),(51,'eforanle@dion.ne.jp','hvmsSDQk'),
(52,'callnutt1f@ucoz.com','uhaNm1Q'),(53,'raloigilg@census.gov','WjMagQ'),(54,'bboote1h@state.gov','CqIDS1z9GuX'),
(55,'pmacgauhyli@slate.com','sDpyQVyr'),(56,'abuist1j@wordpress.com','rdHx05DSc'),(57,'dmciinter1k@blinklist.com','9Fy0QrvVRT0z'),
(58,'bungerecht1l@ftc.gov','hPOeVMdotK0l'),(59,'dewertlm@fda.gov','gShYKIVoKc'),(60,'ncommzuoln@yahoo.co.jp','W5eE4UA'),
(61,'gcanniffel@webs.com','9fnIKz0PIkP'),(62,'gcaineylp@ezinearticles.com','riQKUErWj'),(63,'atreher1q@drupal.org','DxDRHE0'),
(64,'hliiccardolr@hatena.ne.jp','2nXhRAC7cqs'),(65,'dcclutterhamls@mapy.cz','V43hVBQff'),(66,'sbogasit@nsw.gov.au','BZJMGi2T0qs5'),
(67,'wgeelylu@odnoklassniki.ru','ehbN1T'),(68,'gbroulv@hubpages.com','EGCVCZejd'),(69,'lablottlw@scientificamerican.com','xq3jP5UCEaP'),
(70,'rmaddigan1x@deliciousdays.com','Hrc1c0kubY'),(71,'kspaffordly@msn.com','3OCZ20LG'),(72,'hassadiz@w3.org','y6Mw2J'),
(73,'l1anchester20@timesonline.co.uk','mn6G1I0VMx'),(74,'lbrahams21@163.com','f2UcBbpB17mb'),(75,'btortice22@toplist.cz','91QSYHeh1ddD'),
(76,'abeldon23@hubpages.com','Ye4SanXQ5'),(77,'fedgeller24@usa.gov','EPMV6jxIV3M'),(78,'rollet25@ovh.net','6p3sPgZCATR'),
(79,'ewatkiss26@businesswire.com','dkSqHTwmEh82'),(80,'kgasken27@chicagotribune.com','LMktTa9z'),(81,'mbuttress28@si.edu','w1RxshG5tN5e'),
(82,'cdavydenko29@sourceforge.net','Pw7Dz1Sc4X'),(83,'cclinnick2a@census.gov','UlnOo6tWkmQ'),(84,'wconkie2b@gmpg.org','I1OHJ1'),
(85,'vcrace2c@fc2.com','NCjsnqjVX4'),(86,'vvarrow2d@opera.com','i1ll1cLkzG10'),(87,'amolan2e@usnews.com','y0ufAZS8JR'),
(88,'tkingsman2f@wp.com','070OPRW'),(89,'mpayn2g@macromedia.com','bo11T3tGe'),(90,'obrompton2h@thetimes.co.uk','Fhgr2Bd1'),
(91,'jffloat2i@scientificamerican.com','WWLwSwgax'),(92,'rbromehed2j@myspace.com','OuJVMuBDBNv'),
(93,'wpoownall2k@abc.net.au','DBvxwCDEe548'),(94,'psellick2l@imageshack.us','us215aN'),(95,'wjjeannon2m@sina.com.cn','92H69R'),
(96,'shazzard2n@dailymail.co.uk','3sFp9z'),(97,'scarlin2o@nasa.gov','fllKaz38S9s'),(98,'alilian2p@geocities.com','rCFKDI'),
(99,'goris2q@dyndns.org','HF7Tzz'),(100,'adanilovich2r@wikia.com','Cw16oHMJ0GCh'),(101,'rmorrow2s@infoseek.co.jp','6y3XggRMgETE'),
(102,'tgatcliff2t@sbwire.com','Pwynpvx82'),(103,'ebrenard2u@fc2.com','yTDBerLK8'),(104,'growth2v@va.gov','QbU8d5vAan1D'),
(105,'emandre2w@weebly.com','POCuHVCM5'),(106,'asimionescu2x@woothemes.com','b4igWkW'),(107,'lporcas2y@microsoft.com','Ag3IAuUY'),
(108,'ejohann2z@tiny.cc','qtf90Yqq0c'),(109,'mentres30@moonfruit.com','YNii8EaS7A'),(110,'dpretsell131@rambler.ru','JwWtNKqsYZ'),
(111,'egirhard32@wikispaces.com','nNqdQxS'),(112,'rmatej33@mediafire.com','fvoyBoF'),(113,'mmacoure34@csmonitor.com','ruCtZBBvrFVZ'),
(114,'dmalby35@imgur.com','UXSsOyAX'),(115,'mblazi36@live.com','D8txxM'),(116,'klipprose37@wsj.com','aQ3ItRw'),
(117,'nrawsthorne38@prnewswire.com','j47HoJv'),(118,'sspelman39@uiuc.edu','Tb1CFW3TMd9Z'),(119,'esemerad3a@wix.com','R1JLyT'),
(120,'hchadwell3b@state.gov','YEuUXHyU8'),(121,'dgaskal3c@acquirethisname.com','NjVZPd'),(122,'ugresley3d@msu.edu','RJKvOfuakkh');

```

xiii) Payments

```
INSERT INTO `payments` VALUES
(1,'Credit','Liam Simek','3543721840181522','2022-04-29',854,'Paid'),
(2,'Debit','Georg Drexel','5572819712369875','2021-06-09',476,'Processing'),
(3,'Cash',NULL,NULL,NULL,NULL,'cASH'),(4,'Cash',NULL,NULL,NULL,NULL,'cASH'),
(5,'Cash',NULL,NULL,NULL,NULL,'cASH'),(6,NULL,NULL,NULL,NULL,'Pending'),
(7,'Cash',NULL,NULL,NULL,NULL,'cASH'),(8,'Cash',NULL,NULL,NULL,NULL,'cASH'),
(9,'Cash',NULL,NULL,NULL,NULL,'cASH'),(10,NULL,NULL,NULL,NULL,NULL,'Pending'),
(11,'Credit','Rhianna McKeller','3552649582108700','2020-02-28',155,'Paid'),
(12,'Credit','Nicol Tremmel','490322897096405686','2022-03-25',196,'Paid'),
(13,'Debit','Sybila Markwick','6397225541375847','2022-03-22',274,'Paid'),
(14,'Debit','Valentin Varrow','374288481155603','2022-09-23',575,'Paid'),
(15,'Credit','Erhart Mandre','3541294000575190','2021-08-08',457,'Paid'),
(16,'Credit','Ramonda Glanville','6767712231081139733','2019-04-05',208,'Processing'),
(17,'Debit','Mohandas Sandal','3576601688764037','2019-08-30',380,'Processing'),
(18,'Cash',NULL,NULL,NULL,NULL,'cASH'),(19,NULL,NULL,NULL,NULL,'Pending'),
(20,'Cash',NULL,NULL,NULL,NULL,'cASH'),
(21,'Credit','Andros Danilovich','3545188011852901','2019-01-31',597,'Paid'),
(22,'Credit','Beatrix Durant','3567139896168239','2021-04-10',552,'Paid'),
(23,'Credit','Gaelan MacKereth','4936267731736803','2018-06-26',500,'Processing'),
(24,'Debit','Poppy Pont','58937074580889328','2018-05-13',412,'Paid'),
(25,NULL,NULL,NULL,NULL,'Pending'),
(26,'Credit','Alfy Bowerman','4405428021466996','2018-06-15',965,'Processing'),
(27,'Credit','Werner Sanbrooke','5602246157863671','2020-02-14',426,'Processing'),
(28,'Cash',NULL,NULL,NULL,NULL,'cASH'),
(29,'Debit','Verile Matevosian','5475431680185149','2018-12-25',571,'Paid'),
(30,'Cash',NULL,NULL,NULL,NULL,'cASH'),(31,'Cash',NULL,NULL,NULL,NULL,'cASH'),
(32,NULL,NULL,NULL,NULL,'Pending'),
(33,'Credit','Almira Furniss','3586226818801240','2019-09-15',203,'Paid'),
(34,'Cash',NULL,NULL,NULL,NULL,'cASH'),
(35,'Debit','Therine Hefforde','4026591289130916','2019-04-27',707,'Paid'),
(36,'Credit','Rodolph Looks','5602229293679656','2018-01-17',191,'Processing'),
(37,'Debit','Rich Fenn','3569888940687390','2022-07-31',210,'Paid'),
(38,'Credit','Aigneis Pettitt','6393412238311137','2019-02-28',404,'Processing'),
(39,'Credit','Kandy Blanket','4041595230332845','2020-04-11',586,'Paid'),
(40,'Credit','Adaline Chittie','3564172216780816','2022-04-09',116,'Processing'),
(41,'Credit','Gusty Tivenan','5108753070064377','2018-05-17',980,'Paid'),
(42,'Debit','Stesha Cotillard','3564227244669553','2020-01-27',150,'Processing'),
(43,NULL,NULL,NULL,NULL,NULL,'Pending'),(44,NULL,NULL,NULL,NULL,NULL,'Pending'),
(45,'Credit','Harcourt Cissell','3532519190202440','2020-08-27',474,'Processing'),
(46,'Debit','Adela Verryan','3576857447048290','2019-04-15',936,'Processing'),
(47,'Debit','James Stonier','3552249574902689','2018-02-09',557,'Processing'),
(48,NULL,NULL,NULL,NULL,'Pending'),(49,NULL,NULL,NULL,NULL,'Pending');
```

xiv) Services_aircraft

```
INSERT INTO Services_Aircraft(Aircraft_id, Service) VALUES
    ("Airbus A321-220 (1)", "Phone charger"),
    ("Airbus A321-220 (2)", "Phone charger"),
    ("Airbus A321-220 (3)", "Phone charger"),
    ("Airbus A330-300 (1)", "WIFI Full flight"),
    ("Airbus A330-300 (1)", "WIFI 1-hour"),
    ("Airbus A330-300 (1)", "Media access FREE"),
    ("Airbus A330-300 (2)", "WIFI Full flight"),
    ("Airbus A330-300 (2)", "WIFI 1-hour"),
    ("Airbus A330-300 (2)", "Media access FREE"),
    ("Airbus A330-300 (3)", "WIFI Full flight"),
    ("Airbus A330-300 (3)", "WIFI 1-hour"),
    ("Airbus A330-300 (3)", "Media access FREE"),
    ("Airbus A330-300 (4)", "WIFI Full flight"),
    ("Airbus A330-300 (4)", "WIFI 1-hour"),
    ("Airbus A330-300 (4)", "Media access FREE"),
    ("Airbus A350-900 (1)", "Complementary 1-hour WIFI"),
    ("Airbus A350-900 (1)", "WIFI Full flight"),
    ("Airbus A350-900 (1)", "Media access"),
    ("Airbus A350-900 (2)", "Complementary 1-hour WIFI"),
    ("Airbus A350-900 (2)", "WIFI Full flight"),
    ("Airbus A350-900 (2)", "Media access"),
    ("Boeing 757-300 (1)", "WIFI 1-hour"),
    ("Boeing 757-300 (2)", "WIFI 1-hour"),
    ("Boeing 767-400ER (1)", "Media access FREE"),
    ("Boeing 767-400ER (2)", "Media access FREE"),
    ("Boeing 767-400ER (3)", "Media access FREE");
```

xv) Special_considerations

```
INSERT INTO Special_considerations(Consideration, Description) VALUES
    ("Wheelchair", "Needs a wheelchair in the airport"),
    ("Medical assistance", "Need for medical assistance"),
    ("Oxygen", "Needs an oxygen tank during flight"),
    ("Minor assistance", "Needs guidance in airport after check-in")
    );
```

xvi) Travel_classes

```
INSERT INTO Travel_classes(Aircraft_id, Class, Class_capacity, Percentage_more) VALUES
    ("Airbus A321-220 (1)", "First", 20, 2),
    ("Airbus A321-220 (1)", "Comfort+", 29, 1.1),
    ("Airbus A321-220 (1)", "Comfort", 143, 0),
    ("Airbus A321-220 (2)", "First", 20, 2),
    ("Airbus A321-220 (2)", "Comfort+", 29, 1.1),
    ("Airbus A321-220 (2)", "Comfort", 143, 0),
    ("Airbus A321-220 (3)", "First", 20, 1.4),
    ("Airbus A321-220 (3)", "Comfort+", 29, 1.1),
    ("Airbus A321-220 (3)", "Comfort", 143, 0),

    ("Airbus A330-300 (1)", "First", 34, 2.2),
    ("Airbus A330-300 (1)", "Comfort+", 40, 1.1),
    ("Airbus A330-300 (1)", "Comfort", 219, 0),
    ("Airbus A330-300 (2)", "First", 34, 2.3),
    ("Airbus A330-300 (2)", "Comfort+", 40, 1.1),
    ("Airbus A330-300 (2)", "Comfort", 219, 0),
    ("Airbus A330-300 (3)", "First", 34, 2.2),
    ("Airbus A330-300 (3)", "Comfort+", 40, 1.1),
    ("Airbus A330-300 (3)", "Comfort", 219, 0),
    ("Airbus A330-300 (4)", "First", 34, 2.3),
    ("Airbus A330-300 (4)", "Comfort+", 40, 1.1),
    ("Airbus A330-300 (4)", "Comfort", 219, 0),

    ("Airbus A350-900 (1)", "First", 32, 2.4),
    ("Airbus A350-900 (1)", "Comfort+", 48, 1.1),
    ("Airbus A350-900 (1)", "Comfort", 226, 0),
    ("Airbus A350-900 (2)", "First", 32, 2.4),
    ("Airbus A350-900 (2)", "Comfort+", 48, 1.1),
    ("Airbus A350-900 (2)", "Comfort", 226, 0),

    ("Boeing 757-300 (1)", "First", 24, 2.4),
    ("Boeing 757-300 (1)", "Comfort+", 32, 1.2),
    ("Boeing 757-300 (1)", "Comfort", 178, 0),
    ("Boeing 757-300 (2)", "First", 24, 2.4),
    ("Boeing 757-300 (2)", "Comfort+", 32, 1.2),
    ("Boeing 757-300 (2)", "Comfort", 178, 0),

    ("Boeing 767-400ER (1)", "First", 40, 2.6),
    ("Boeing 767-400ER (1)", "Comfort+", 28, 1.4),
    ("Boeing 767-400ER (1)", "Comfort", 178, 0),
    ("Boeing 767-400ER (2)", "First", 40, 2.6),
    ("Boeing 767-400ER (2)", "Comfort+", 28, 1.4),
    ("Boeing 767-400ER (2)", "Comfort", 178, 0);
```

xvii) Work on flight(Partially)

```
INSERT INTO `work_on_flight` VALUES (1,'EMP-00002'),(11,'EMP-00002'),(21,'EMP-00002'),(39,'EMP-00002'),(42,'EMP-00002'),(56,'EMP-00002'),(101,'EMP-00002'),(106,'EMP-00002'),(113,'EMP-00002'),(119,'EMP-00002'),(131,'EMP-00002'),(138,'EMP-00002'),(140,'EMP-00002'),(162,'EMP-00002'),(168,'EMP-00002'),(180,'EMP-00002'),(193,'EMP-00002'),(202,'EMP-00002'),(204,'EMP-00002'),(208,'EMP-00002'),(210,'EMP-00002'),(251,'EMP-00002'),(266,'EMP-00002'),(269,'EMP-00002'),(285,'EMP-00002'),(296,'EMP-00002'),(304,'EMP-00002'),(310,'EMP-00002'),(318,'EMP-00002'),(326,'EMP-00002'),(327,'EMP-00002'),(350,'EMP-00002'),(353,'EMP-00002'),(360,'EMP-00002'),(367,'EMP-00002'),(368,'EMP-00002'),(377,'EMP-00002'),(399,'EMP-00002'),(416,'EMP-00002'),(469,'EMP-00002'),(480,'EMP-00002'),(506,'EMP-00002'),(511,'EMP-00002'),(512,'EMP-00002'),(519,'EMP-00002'),(537,'EMP-00002'),(540,'EMP-00002'),(554,'EMP-00002'),(555,'EMP-00002'),(564,'EMP-00002'),(571,'EMP-00002'),(572,'EMP-00002'),(589,'EMP-00002'),(595,'EMP-00002'),(603,'EMP-00002'),(615,'EMP-00002'),(625,'EMP-00002'),(639,'EMP-00002'),(641,'EMP-00002'),(644,'EMP-00002'),(648,'EMP-00002'),(649,'EMP-00002'),(654,'EMP-00002'),(659,'EMP-00002'),(675,'EMP-00002'),(698,'EMP-00002'),(714,'EMP-00002'),(716,'EMP-00002'),(721,'EMP-00002'),(727,'EMP-00002'),(734,'EMP-00002'),(740,'EMP-00002'),(753,'EMP-00002'),(755,'EMP-00002'),(756,'EMP-00002'),(758,'EMP-00002'),(774,'EMP-00002'),(778,'EMP-00002'),(796,'EMP-00002'),(804,'EMP-00002'),(808,'EMP-00002'),(812,'EMP-00002'),(813,'EMP-00002'),(814,'EMP-00002'),(816,'EMP-00002'),(836,'EMP-00002'),(846,'EMP-00002'),(854,'EMP-00002'),(859,'EMP-00002'),(861,'EMP-00002'),(863,'EMP-00002'),(869,'EMP-00002'),(882,'EMP-00002'),(901,'EMP-00002'),(910,'EMP-00002'),(915,'EMP-00002'),(934,'EMP-00002'),(939,'EMP-00002'),(953,'EMP-00002'),(965,'EMP-00002'),(967,'EMP-00002'),(974,'EMP-00002'),(975,'EMP-00002'),(990,'EMP-00002'),(1001,'EMP-00002'),(1013,'EMP-00002'),(1022,'EMP-00002'),(1038,'EMP-00002'),(1042,'EMP-00002'),(1046,'EMP-00002'),(1060,'EMP-00002'),(1062,'EMP-00002'),(1064,'EMP-00002'),(1078,'EMP-00002'),(1093,'EMP-00002'),(1107,'EMP-00002'),(1108,'EMP-00002'),(1121,'EMP-00002'),(1125,'EMP-00002'),(1137,'EMP-00002'),(1142,'EMP-00002'),(1149,'EMP-00002'),(1150,'EMP-00002'),(1152,'EMP-00002'),(1155,'EMP-00002'),(1158,'EMP-00002'),(1160,'EMP-00002'),(1168,'EMP-00002'),(1176,'EMP-00002'),(1178,'EMP-00002'),(1182,'EMP-00002'),(1187,'EMP-00002'),(1190,'EMP-00002'),(1211,'EMP-00002'),(1219,'EMP-00002'),(1229,'EMP-00002'),(1231,'EMP-00002'),(1234,'EMP-00002'),(1250,'EMP-00002'),(1269,'EMP-00002'),(1270,'EMP-00002'),(1297,'EMP-00002'),(1331,'EMP-00002'),(1358,'EMP-00002'),(1380,'EMP-00002'),(1407,'EMP-00002'),(1415,'EMP-00002'),(1431,'EMP-00002'),(1450,'EMP-00002'),(1451,'EMP-00002'),(1470,'EMP-00002'),(1475,'EMP-00002'),(1478,'EMP-00002'),(1481,'EMP-00002'),(1502,'EMP-00002'),(1513,'EMP-00002'),(1519,'EMP-00002'),(1520,'EMP-00002'),(1524,'EMP-00002'),(1525,'EMP-00002'),(1527,'EMP-00002'),(1569,'EMP-00002'),(1584,'EMP-00002'),(1615,'EMP-00002'),(1617,'EMP-00002'),(1649,'EMP-00002'),(1655,'EMP-00002'),(1657,'EMP-00002'),(1659,'EMP-00002'),(1692,'EMP-00002'),(1701,'EMP-00002'),(1702,'EMP-00002'),(1708,'EMP-00002'),(1715,'EMP-00002'),(1730,'EMP-00002'),(1736,'EMP-00002'),(1739,'EMP-00002'),(1740,'EMP-00002'),(1743,'EMP-00002'),(1758,'EMP-00002'),(1774,'EMP-00002'),(1779,'EMP-00002'),(1806,'EMP-00002'),(1810,'EMP-00002'),(1827,'EMP-00002'),(1829,'EMP-00002'),(1847,'EMP-00002'),(1852,'EMP-00002'),(1855,'EMP-00002'),(1859,'EMP-00002'),(1861,'EMP-00002'),(1869,'EMP-00002'),(1875,'EMP-00002'),(1880,'EMP-00002'),(1886,'EMP-00002'),(1907,'EMP-00002'),(1908,'EMP-00002'),(1911,'EMP-00002'),(1920,'EMP-00002'),(1938,'EMP-00002'),(1940,'EMP-00002'),(1946,'EMP-00002'),(1960,'EMP-00002'),(28,'EMP-00003'),(36,'EMP-00003'),(47,'EMP-00003'),(53,'EMP-00003'),(54,'EMP-00003'),(66,'EMP-00003'),(85,'EMP-00003'),(105,'EMP-00003'),(109,'EMP-00003'),(115,'EMP-00003'),(122,'EMP-00003'),(124,'EMP-00003'),(125,'EMP-00003'),(129,'EMP-00003'),(160,'EMP-00003'),(165,'EMP-00003'),(172,'EMP-00003'),(179,'EMP-00003'),(183,'EMP-00003'),(184,'EMP-00003'),(203,'EMP-00003'),(214,'EMP-00003'),(215,'EMP-00003'),(234,'EMP-00003'),(241,'EMP-00003'),(247,'EMP-00003'),(277,'EMP-00003'),(284,'EMP-00003'),(286,'EMP-00003'),(302,'EMP-00003'),(314,'EMP-00003'),(317,'EMP-00003'),(320,'EMP-00003'),(331,'EMP-00003'),(338,'EMP-00003'),(347,'EMP-00003'),(355,'EMP-00003'),(359,'EMP-00003'),(376,'EMP-00003'),(378,'EMP-00003'),(406,'EMP-00003'),(422,'EMP-00003'),(427,'EMP-00003'),(438,'EMP-00003'),(439,'EMP-00003'),(457,'EMP-00003'),(460,'EMP-00003');
```

PROCEDURES

xviii) AddFlight

```

CREATE DEFINER='root'@'localhost' PROCEDURE `AddFlight`(`IN originIN varchar(255), IN DestinationIN varchar(255), IN Distance varchar(255),
IN AircraftIN varchar(255), IN PriceIN float, IN DepartureDate varchar(255), IN DepartureTime varchar(255), IN ArrivalDate varchar(255), IN ArrivalTime varchar(255),
IN TotalTime varchar(255))
BEGIN
    set @CPlusPrice = PriceIN * (Select Travel_classes.Percentage_more from Travel_Classes where Aircraft_id = AircraftIN AND Class="Comfort+");
    set @FCPrice = PriceIN * (Select Travel_classes.Percentage_more from Travel_Classes where Aircraft_id = AircraftIN AND Class="First");
    set @CCapacity = (Select Travel_classes.Class_capacity from Travel_Classes where Aircraft_id = AircraftIN AND Class="Comfort");
    set @CPlusCapacity = (Select Travel_classes.Class_capacity from Travel_Classes where Aircraft_id = AircraftIN AND Class="Comfort+");
    set @FCCapacity = (Select Travel_classes.Class_capacity from Travel_Classes where Aircraft_id = AircraftIN AND Class="First");
    set @FlightID = (SELECT Max(ActiveFlight_id) from flights) + 1;

    insert into Flights (ActiveFlight_id, Aircraft_id, Origin, Destination, DepartureDate, DepartureTime, ArrivalDate, ArrivalTime, DelayStart, DelayEnd, SegmentTime,
    SegmentDistanceKM, Price, Price_ComfortPlus, Price_FirstClass, Seat_Comfort_Left, Seat_ComfortPlus_Left, Seat_First_Left)
    values(@FlightID, AircraftIN, originIN, DestinationIN, DepartureDate, DepartureTime, ArrivalDate, ArrivalTime, null, null, TotalTime, Distance, PriceIN, @CPlusPrice,
    @FCPrice, @CCapacity, @CPlusCapacity, @FCCapacity);
END

```

xix) CancelFlight

```

CREATE DEFINER='root'@'localhost' PROCEDURE `CancelFlight`(`IN FlightNo int, IN BookIN int, out NewPrice float)
BEGIN
    Set @DepartureDateTime = (Select Concat(Flights.DepartureDate, " ",Flights.DepartureTime) AS aa from Flights where ActiveFlight_Id=FlightNo);
    SET @Travel_classBooked = (Select Travel_class from Booked_flight where ActiveFlight_Id=FlightNo AND Booking_no = BookIN);
    SET @TimeBeforeDep = TIMESTAMPDIFF(HOUR,now(), @DepartureDateTime);
    SET @price = (Select Price_flight from Booked_flight where ActiveFlight_id = FlightNo AND Booking_no = BookIN);

    if(@TimeBeforeDep < 10 AND @TimeBeforeDep < 0) then
        SET @Percentage = (Select D_Percentage from Discounts_Fines where Discount_fine = "Flight Cancellation by customer within 10 hours");
        insert ignore into Booking_discount_fine values(BookIn, "Flight Cancellation by customer within 10 hours", (@Price * @Percentage));
        SET @NewPrice = @Price + (@Price * @Percentage);
        Select @NewPrice into NewPrice;
        Update booked_flight SET Cancelled = true, Price_flight = @NewPrice where ActiveFlight_id = FlightNo and Booking_no = BookIN;
        Update Bookings SET Total_price = (Total_Price - @Price + @NewPrice) where Booking_no = BookIN;
        if(@Travel_classBooked = "Comfort") then
            Update Flights SET Seat_comfort_left = Seat_comfort_left + 1 where ActiveFlight_id = FlightNo;
        elseif(@Travel_classBooked = "Comfort+") then
            Update Flights SET Seat_comfortPlus_left = Seat_comfortPlus_left + 1 where ActiveFlight_id = FlightNo;
        elseif(@Travel_classBooked = "First") then
            Update Flights SET Seat_First_left = Seat_First_left + 1 where ActiveFlight_id = FlightNo;
        end if;

    elseif(@TimeBeforeDep >= 10) then
        SET @Percentage = (Select D_Percentage from Discounts_Fines where Discount_fine = "Flight Cancellation by customer before 10 hours");
        insert ignore into Booking_discount_fine value(BookIn, "Flight Cancellation by customer before 10 hours", (@Price * @Percentage));
        SET @NewPrice = @Price + (@Price * @Percentage);
        Select @NewPrice into NewPrice;
        Update booked_flight SET Cancelled = true, Price_flight = @NewPrice where ActiveFlight_id = FlightNo and Booking_no = BookIN;
        Update Bookings SET Total_price = (Total_Price - @Price + @NewPrice) where Booking_no = BookIN;
        if(@Travel_classBooked = "Comfort") then
            Update Flights SET Seat_comfort_left = Seat_comfort_left + 1 where ActiveFlight_id = FlightNo;
        elseif(@Travel_classBooked = "Comfort+") then
            Update Flights SET Seat_comfortPlus_left = Seat_comfortPlus_left + 1 where ActiveFlight_id = FlightNo;
        elseif(@Travel_classBooked = "First") then
            Update Flights SET Seat_First_left = Seat_First_left + 1 where ActiveFlight_id = FlightNo;
        end if;
    end if;
END

```

xx) DeleteFlight

```

CREATE DEFINER='root'@'localhost' PROCEDURE `DeleteFlight` (IN FlightNo int)
BEGIN
    insert ignore into booking_discount_fine(Booking_no,Discount_Fine,Discount_Fine_amount)
    select booked_flight.Booking_no, "Flight Cancellation technical reasons", ((Price_flight)*
    (Select D_Percentage from discounts_fines where Discount_fine ="Flight Cancellation technical reasons"))
    from booked_flight where booked_flight.ActiveFlight_id=FlightNo;

    update Bookings inner join Booking_Discount_fine on booking_discount_fine.Booking_no = Bookings.Booking_no
    inner join Booked_flight on booked_flight.booking_no = Bookings.booking_no
    SET Bookings.Total_Price = CASE
        WHEN Bookings.Total_Price + booking_discount_fine.Discount_fine_Amount < 0 THEN 0
        else Bookings.Total_Price + booking_discount_fine.Discount_fine_Amount
    END
    where ActiveFlight_id =FlightNo;
    delete from work_on_flight where ActiveFlight_id = FlightNo;
    update booked_flight SET Price_flight = null where ActiveFlight_id = FlightNo;
    Update booked_flight SET Cancelled = true where ActiveFlight_id = FlightNo;
    update flights SET Cancelled = true where ActiveFlight_id = FlightNo;
END

```

xxi) MakeBookingID

```

CREATE DEFINER='root'@'localhost' PROCEDURE `MakeBookingID` (IN CUSTOMER_ID int, OUT BookingNo varchar(255))
BEGIN
    SET @PAYID = (Select MAX(Payment_id) from Payments) + 1;
    insert into Payments(Payment_id, Payment_status) value (@PAYID, "Pending");
    Set @BookingID = (Select MAX(Booking_no) from Bookings) + 1;
    insert into Bookings(Booking_no, Customer_id, Payment_id) value (@BookingID, CUSTOMER_ID, @PAYID);
    select @BookingID into BookingNo;
END

```

xxii) MakePayment

```

CREATE DEFINER='root'@'localhost' PROCEDURE `MakePayment` (IN BookingNo varchar(255), IN PaymentMethod varchar(255), IN CardName varchar(255), IN CardNumber varchar(255),
IN expdate varchar(255), IN CVC varchar(255))
BEGIN
    SET @Payments = (select Payment_id from Bookings where Booking_no = BookingNo);

    IF PaymentMethod = "Cash" then
        SET @PayStatus = "Cash";
    else
        SET @PayStatus = "Paid";
    END IF;
    SET @PaymentID = (select Payment_id from Bookings where Booking_no = BookingNo);
    UPDATE Payments SET Payment_method = PaymentMethod, Name_on_card = CardName, Card_number = CardNumber, Card_exptime = expdate, Card_CVC = CVC,
    Payment_status = @PayStatus where Payment_id = @PaymentID;
END

```

xxiii) NewMemberCustomer

```

CREATE DEFINER='root'@'localhost' PROCEDURE `NewMemberCustomer` (IN NameCustomer varchar(255), IN Email varchar(255), IN Phone varchar(255), IN Street varchar(255),
IN City varchar(255), IN Country varchar(255), IN DoB varchar(255), IN IdentificationType varchar(255), IN IdentificationNo varchar(255), IN PasswordMember varchar(255),
OUT CUSID int, OUT MEMID int)
BEGIN
    if PasswordMember IS NULL THEN
        INSERT INTO Guest_Customers(Customer_name, Customer_Email, Customer_Phone, Customer_Street, Customer_City, Customer_Country, Customer_DoB, Customer_IDdoc,
        Customer_IDNo)
        VALUE(NameCustomer, Email, Phone , Street , City , Country , DoB , IdentificationType , IdentificationNo) ON DUPLICATE KEY UPDATE
        Customer_name=NameCustomer, Customer_Email=Email, Customer_Phone=Phone, Customer_Street=Street, Customer_City=City, Customer_Country=Country, Customer_DoB=DoB,
        Customer_IDdoc=IdentificationType, Customer_IDNo=IdentificationNo;
        select guest_customers.Customer_id from guest_customers where Customer_name=NameCustomer AND Customer_Email=Email AND Customer_Phone=Phone AND
        Customer_Street=Street AND Customer_City=City AND Customer_Country=Country AND Customer_DoB=DoB AND Customer_IDdoc=IdentificationType AND
        Customer_IDNo=IdentificationNo into CUSID;
    ELSE
        Insert into Members(Member_Email, Member_Password) VALUE>Email, PasswordMember) ON DUPLICATE KEY UPDATE Member_Email=Email, Member_Password = PasswordMember;
        SET @memid = (SELECT Member_id from members where Member_Email = Email AND Member_Password = PasswordMember);
        select @memid into MEMID;
        INSERT INTO Guest_Customers(Customer_name, Customer_Email, Customer_Phone, Customer_Street, Customer_City, Customer_Country, Customer_DoB, Customer_IDdoc,
        Customer_IDNo, Member_id) VALUE
        (NameCustomer, Email, Phone , Street , City , Country , DoB , IdentificationType , IdentificationNo , @memid) ON DUPLICATE KEY UPDATE
        Customer_name=NameCustomer, Customer_Email=Email, Customer_Phone=Phone, Customer_Street=Street, Customer_City=City, Customer_Country=Country, Customer_DoB=DoB,
        Customer_IDdoc=IdentificationType, Customer_IDNo=IdentificationNo, Member_id=@memid;
        select guest_customers.Customer_id from guest_customers where Customer_name=NameCustomer AND Customer_Email=Email AND Customer_Phone=Phone AND
        Customer_Street=Street AND Customer_City=City AND Customer_Country=Country AND Customer_DoB=DoB AND Customer_IDdoc=IdentificationType AND
        Customer_IDNo=IdentificationNo into CUSID;
    END IF;
END

```

xxiv) SearchFlight

```

CREATE DEFINER='root'@'localhost' PROCEDURE `SearchFlight` (IN originIN varchar(255), IN DestinationIN varchar(255), IN DepartureDateIN varchar(255), out FLIGHT1 int,
out FLIGHT2 int,out FLIGHT3 int, out FLIGHT4 int, out FLIGHT5 int, out NumberofFlights int)
BEGIN
    drop temporary table if EXISTS tmpSearchFlightsOrigin;
    CREATE temporary table tmpSearchFlightsOrigin(ActiveFlightID int, Destination char(3), Departure datetime,Arrival datetime);
    insert into tmpSearchFlightsOrigin Select ActiveFlight_id, Flights.Destination, CONCAT(DepartureDate, " ",DepartureTime) AS Departure,
    CONCAT(ArrivalDate, " ", Arrivaltime) AS ARRIVAL from Flights where Origin = originIN AND DepartureDate = DepartureDateIN AND cancelled = false;
    select null into Flight1;
    select 0 into NumberofFlights;

    if((select Count(*) from tmpSearchFlightsOrigin) != 0) THEN
        if((Select Count(*) from tmpSearchFlightsOrigin where Destination = DestinationIN) != 0) then
            /*1st flight*/
            Select ActiveFlightID into Flight1 from tmpSearchFlightsOrigin where Destination = DestinationIN;
            Select 1 into NumberofFlights;
        else
            drop temporary table if EXISTS tmpSearchFlights2;
            CREATE temporary table tmpSearchFlights2(ActiveFlightID int, Origin char(3), Destination char(3), Departure datetime,Arrival datetime);
            insert into tmpSearchFlights2 Select ActiveFlight_id, Flights.Origin, Flights.Destination, CONCAT(DepartureDate, " ",DepartureTime) AS Departure,
            CONCAT(ArrivalDate, " ", Arrivaltime) from Flights
            inner join tmpSearchFlightsOrigin on Flights.origin = tmpSearchFlightsOrigin.Destination
            where TimeSTAMPDIFF(HOUR,tmpSearchFlightsOrigin.Arrival, CONCAT(Flights.DepartureDate, " ",Flights.DepartureTime)) <10 AND
            TimeSTAMPDIFF(HOUR,tmpSearchFlightsOrigin.Arrival, CONCAT(Flights.DepartureDate, " ",Flights.DepartureTime)) >0;

            if ((select Count(*) from tmpSearchFlights2) != 0) THEN
                if((Select Count(*) from tmpSearchFlights2 where Destination = DestinationIN) != 0) then
                    /*2 flights*/
                    SET @origin1 = (Select origin from tmpSearchFlights2 where Destination = DestinationIN);
                    Select ActiveFlightID into Flight2 from tmpSearchFlights2 where Destination = DestinationIN;
                    Select ActiveFlightID into Flight1 from tmpSearchFlightsOrigin where Destination = @origin1;
                    Select 2 into NumberofFlights;
                else
                    drop temporary table if EXISTS tmpSearchFlights3;
                    CREATE temporary table tmpSearchFlights3(ActiveFlightID int, Origin char(3), Destination char(3), Departure datetime,Arrival datetime);
                    insert into tmpSearchFlights3 Select ActiveFlight_id, Flights.Origin, Flights.Destination, CONCAT(DepartureDate, " ",DepartureTime) AS Departure,
                    CONCAT(ArrivalDate, " ", Arrivaltime) from Flights
                    inner join tmpSearchFlights2 on Flights.origin = tmpSearchFlights2.Destination;
                    where TimeSTAMPDIFF(HOUR,tmpSearchFlights2.Arrival, CONCAT(Flights.DepartureDate, " ",Flights.DepartureTime)) <10 AND
                    TimeSTAMPDIFF(HOUR,tmpSearchFlights2.Arrival, CONCAT(Flights.DepartureDate, " ",Flights.DepartureTime)) >0;

                    if ((select Count(*) from tmpSearchFlights3) != 0) THEN
                        if((Select Count(*) from tmpSearchFlights3 where Destination = DestinationIN) != 0) then
                            /*3 flights*/
                            Select 3 into NumberofFlights;
                            set @Destination2 = (Select origin from tmpSearchFlights3 where Destination = DestinationIN);
                            set @origin2 = (Select origin from tmpSearchFlights2 where Destination = @Destination2);

```

```

Select ActiveFlightID into Flight3 from tmpSearchFlights3 where Destination = DestinationIN;
Select ActiveFlightID into Flight2 from tmpSearchFlights2 where Destination = @Destination2 AND origin = @Origin2 ;
Select ActiveFlightID into Flight1 from tmpSearchFlightsorigin where Destination = @Origin2;
else
drop temporary table if EXISTS tmpSearchFlights4;
CREATE temporary table tmpSearchFlights4(ActiveFlightID int, Origin char(3), Destination char(3), Departure datetime,Arrival datetime);
insert into tmpSearchFlights4 Select ActiveFlight_id, Flights.Origin, Flights.Destination,
CONCAT(DepartureDate, " ",DepartureTime) AS Departure, CONCAT(ArrivalDate, " ", Arrivaltime) from Flights
inner join tmpSearchFlights3 on Flights.origin = tmpSearchFlights3.Destination
where TimeSTAMPDIFF(HOUR,tmpSearchFlights3.Arrival, CONCAT(Flights.DepartureDate, " ",Flights.DepartureTime)) <10 AND
TimeSTAMPDIFF(HOUR,tmpSearchFlights3.Arrival, CONCAT(Flights.DepartureDate, " ",Flights.DepartureTime)) >0;
if ((select Count(*) from tmpSearchFlights4) != 0) THEN
if((Select Count(*) from tmpSearchFlights4 where Destination = DestinationIN) != 0) then
/*4 flights*
Select 4 into NumberofFlights;
set @Destination3 = (Select origin from tmpSearchFlights4 where Destination = DestinationIN);
set @Origin3 = (Select origin from tmpSearchFlights3 where Destination = @Destination3);
set @Destination2 = (Select origin from tmpSearchFlights3 where Destination = @Origin3);
set @Origin2 = (Select origin from tmpSearchFlights2 where Destination = @Destination2);

Select ActiveFlightID into Flight4 from tmpSearchFlights4 where Destination = DestinationIN;
Select ActiveFlightID into Flight3 from tmpSearchFlights3 where Destination = @Destination3 AND origin = @Origin3;
Select ActiveFlightID into Flight2 from tmpSearchFlights2 where Destination = @Destination2 AND origin = @Origin2;
Select ActiveFlightID into Flight1 from tmpSearchFlightsOrigin where Destination = @Origin2;
else
drop temporary table if EXISTS tmpSearchFlights5;
CREATE temporary table tmpSearchFlights5(ActiveFlightID int, Origin char(3), Destination char(3), Departure datetime,
Arrival datetime);
insert into tmpSearchFlights5 Select ActiveFlight_id, Flights.Origin, Flights.Destination, CONCAT(DepartureDate, " ",DepartureTime) .

inner join tmpSearchFlights4 on Flights.origin = tmpSearchFlights4.Destination
where TimeSTAMPDIFF(HOUR,tmpSearchFlights4.Arrival, CONCAT(Flights.DepartureDate, " ",Flights.DepartureTime)) <10
AND TimeSTAMPDIFF(HOUR,tmpSearchFlights4.Arrival, CONCAT(Flights.DepartureDate, " ",Flights.DepartureTime)) >0;

if ((select Count(*) from tmpSearchFlights5) != 0) THEN
if((Select Count(*) from tmpSearchFlights5 where Destination = DestinationIN) != 0) then
/*5 flights*
Select 5 into NumberofFlights;
set @Destination4 = (Select origin from tmpSearchFlights5 where Destination = DestinationIN);
set @Origin4 = (Select origin from tmpSearchFlights4 where Destination = @Destination4);
set @Destination3 = (Select origin from tmpSearchFlights4 where Destination = @Origin4);
set @Origin3 = (Select origin from tmpSearchFlights3 where Destination = @Destination3);
set @Destination2 = (Select origin from tmpSearchFlights3 where Destination = @Origin3);
set @Origin2 = (Select origin from tmpSearchFlights2 where Destination = @Destination2);

Select ActiveFlightID into Flight5 from tmpSearchFlights5 where Destination = DestinationIN;
Select ActiveFlightID into Flight4 from tmpSearchFlights4 where Destination = @Destination4 AND origin = @Origin4;
Select ActiveFlightID into Flight3 from tmpSearchFlights3 where Destination = @Destination3 AND origin = @Origin3;
Select ActiveFlightID into Flight2 from tmpSearchFlights2 where Destination = @Destination2 AND origin = @Origin2;
Select ActiveFlightID into Flight1 from tmpSearchFlightsOrigin where Destination = @Origin2;

end if;
drop temporary table if EXISTS tmpSearchFlightsorigin;
drop temporary table if EXISTS tmpSearchFlights1;
drop temporary table if EXISTS tmpSearchFlights2;
drop temporary table if EXISTS tmpSearchFlights3;
drop temporary table if EXISTS tmpSearchFlights4;
drop temporary table if EXISTS tmpSearchFlights5;
END

```

xxv) UpdateFlight

```

CREATE DEFINER='root'@'localhost' PROCEDURE `UpdateFlight` (IN FlightNo int, IN DSIN int, IN DEI int, IN priceIN FLoat)
BEGIN
if(priceIN = (select Price from Flights where ActiveFlight_id = FlightNo)) THEN
update Flights SET DelayStart = DSIN, DelayEnd = DEI where ActiveFlight_id = FlightNo;
ELSE
SET @AircraftIN = (Select Aircraft_ID from Flights where ActiveFlight_id = FlightNo);
set @CPlusPrice = PriceIN * (Select Travel_classes.Percentage_more from Travel_Classes where Aircraft_id = @AircraftIN AND Class="Comfort+");
set @FCPrice = PriceIN * (Select Travel_classes.Percentage_more from Travel_Classes where Aircraft_id = @AircraftIN AND Class="First");
update Flights SET DelayStart = DSIN, DelayEnd = DEI, Price= priceIN, Price_ComfortPlus = @CPlusPrice, Price_FirstClass = @FCPrice where
ActiveFlight_id = FlightNo;
END if;

```

END