CREATE TABLE Passenger\_Dim

(

Passenger\_SID NUMBER(10) NOT NULL,

Passenger\_ID\_NK NUMBER(10) NOT NULL,

Name VARCHAR2(50) NOT NULL,

Email VARCHAR2(50) NOT NULL,

Address VARCHAR2(50) NOT NULL,

City VARCHAR2(100) NOT NULL,

Country VARCHAR2(100) NOT NULL,

Phone\_No VARCHAR2(100) NOT NULL,

Age VARCHAR2(100) NOT NULL,

Language\_Preference VARCHAR2(100) NOT NULL,

Special\_Assistance\_Needs VARCHAR2(100) NOT NULL,

PRIMARY KEY (Passenger\_SID)

);

CREATE TABLE Date\_Dim

(

Date\_key NUMBER(10) NOT NULL,

Year VARCHAR2(50) NOT NULL,

Quarter VARCHAR2(100) NOT NULL,

Month VARCHAR2(100) NOT NULL,

Week\_Number VARCHAR2(100) NOT NULL,

Day VARCHAR2(100) NOT NULL,

Day\_of\_Week VARCHAR2(100) NOT NULL,

Weekend\_Indicator VARCHAR2(100) NOT NULL,

Holiday\_Indicator VARCHAR2(100) NOT NULL,

Date\_ DATE NOT NULL,

PRIMARY KEY (Date\_key)

);

CREATE TABLE Airport\_Dim

(

Airport\_SID NUMBER(10) NOT NULL,

Airport\_ID\_NK VARCHAR2(100) NOT NULL,

Name VARCHAR2(100) NOT NULL,

Code VARCHAR2(100) NOT NULL,

City VARCHAR2(100) NOT NULL,

Country VARCHAR2(100) NOT NULL,

Address VARCHAR2(100) NOT NULL,

Capacity VARCHAR2(100) NOT NULL,

Airport\_Type VARCHAR2(100) NOT NULL,

Ownership VARCHAR2(100) NOT NULL,

Airport\_Status VARCHAR2(100) NOT NULL,

PRIMARY KEY (Airport\_SID)

);

CREATE TABLE Interaction\_Dim

(

Type\_ID NUMBER(10) NOT NULL,

Type VARCHAR2(100) NOT NULL,

Sentiment VARCHAR2(100) NOT NULL,

Feedback\_Source VARCHAR2(100) NOT NULL,

Resolution\_Status VARCHAR2(100) NOT NULL,

PRIMARY KEY (Type\_ID)

);

CREATE TABLE Time\_Dim

(

Timestamp\_Key NUMBER(10) NOT NULL,

Time\_Stamp DATE NOT NULL,

Year VARCHAR2(50) NOT NULL,

Quarter VARCHAR2(50) NOT NULL,

Month VARCHAR2(50) NOT NULL,

Day VARCHAR2(50) NOT NULL,

Day\_of\_Week VARCHAR2(50) NOT NULL,

Hour VARCHAR2(50) NOT NULL,

Minute NUMBER(10) NOT NULL,

PRIMARY KEY (Timestamp\_Key)

);

CREATE TABLE Employee\_Dim

(

Employee\_SID NUMBER(10) NOT NULL,

Name VARCHAR2(100) NOT NULL,

Age VARCHAR2(50) NOT NULL,

Language VARCHAR2(50) NOT NULL,

Country VARCHAR2(50) NOT NULL,

Gender VARCHAR2(50) NOT NULL,

Nationality VARCHAR2(50) NOT NULL,

Job\_Title VARCHAR2(50) NOT NULL,

Employment\_Status VARCHAR2(100) NOT NULL,

Department VARCHAR2(100) NOT NULL,

PRIMARY KEY (Employee\_SID)

);

CREATE TABLE Aircraft\_Dim

(

Aircraft\_SID NUMBER(10) NOT NULL,

Aircraft\_ID\_NK NUMBER(10) NOT NULL,

Aircraft\_Type VARCHAR2(100) NOT NULL,

Manufacturer VARCHAR2(100) NOT NULL,

Capacity VARCHAR2(100) NOT NULL,

Configuration VARCHAR2(100) NOT NULL,

Maintenance\_Status VARCHAR2(100) NOT NULL,

Aircraft\_Status VARCHAR2(100) NOT NULL,

Engine\_Type VARCHAR2(100) NOT NULL,

Wi\_Fi\_Availability VARCHAR2(100) NOT NULL,

PRIMARY KEY (Aircraft\_SID)

);

CREATE TABLE Sales\_Channel\_Dim

(

Sales\_Channel\_SID NUMBER(10) NOT NULL,

Sales\_Channel\_Name VARCHAR2(100) NOT NULL,

Sales\_Channel\_Type VARCHAR2(100) NOT NULL,

Contact\_Information VARCHAR2(100) NOT NULL,

Language VARCHAR2(100) NOT NULL,

Currency VARCHAR2(100) NOT NULL,

PRIMARY KEY (Sales\_Channel\_SID)

);

CREATE TABLE Fair\_Basis\_Dim

(

Fair\_Basis\_SID NUMBER(10) NOT NULL,

Fair\_Code CHAR(50) NOT NULL,

Description VARCHAR2(50) NOT NULL,

Conditions VARCHAR2(50) NOT NULL,

Type VARCHAR2(50) NOT NULL,

Fare\_Rules VARCHAR2(50) NOT NULL,

PRIMARY KEY (Fair\_Basis\_SID)

);

CREATE TABLE Class\_of\_Service\_Flown\_Dim

(

Class\_ID NUMBER(10) NOT NULL,

Class\_Purchased VARCHAR2(100) NOT NULL,

Class\_Flown VARCHAR2(100) NOT NULL,

Purchased\_Flown\_Group VARCHAR2(100) NOT NULL,

Class\_Change\_Indicator VARCHAR2(100) NOT NULL,

PRIMARY KEY (Class\_ID)

);

CREATE TABLE Passenger\_Profile\_Dim

(

Passenger\_Profile\_Key NUMBER(10) NOT NULL,

Frequent\_Flyer\_Tier VARCHAR2(100) NOT NULL,

Club\_Membership\_Status VARCHAR2(100) NOT NULL,

Lifetime\_Mileage\_Tier VARCHAR2(100) NOT NULL,

PRIMARY KEY (Passenger\_Profile\_Key)

);

CREATE TABLE Property\_Dim

(

Property\_SID NUMBER(10) NOT NULL,

Code VARCHAR2(100) NOT NULL,

Name VARCHAR2(100) NOT NULL,

Country VARCHAR2(100) NOT NULL,

City VARCHAR2(100) NOT NULL,

Address VARCHAR2(100) NOT NULL,

Facilities VARCHAR2(100) NOT NULL,

Price\_Range VARCHAR2(100) NOT NULL,

Star\_Rating VARCHAR2(100) NOT NULL,

Type VARCHAR2(100) NOT NULL,

PRIMARY KEY (Property\_SID)

);

CREATE TABLE Travel\_Services\_Hotel\_Stay

(

Confirmation\_Number\_DD NUMBER(10) NOT NULL,

Ticket\_Number\_DD NUMBER(10) NOT NULL,

Number\_of\_Nights INT NOT NULL,

Reservation\_Date\_Key\_ NUMBER(10) NOT NULL,

Arrival\_Date\_Key\_ NUMBER(10) NOT NULL,

Departure\_Date\_Key NUMBER(10) NOT NULL,

Passenger\_SID NUMBER(10) NOT NULL,

Property\_SID NUMBER(10) NOT NULL,

Sales\_Channel\_SID NUMBER(10) NOT NULL,

Passenger\_Profile\_Key NUMBER(10) NOT NULL,

FOREIGN KEY (Reservation\_Date\_Key\_) REFERENCES Date\_Dim(Date\_key),

FOREIGN KEY (Arrival\_Date\_Key\_) REFERENCES Date\_Dim(Date\_key),

FOREIGN KEY (Departure\_Date\_Key) REFERENCES Date\_Dim(Date\_key),

FOREIGN KEY (Passenger\_SID) REFERENCES Passenger\_Dim(Passenger\_SID),

FOREIGN KEY (Property\_SID) REFERENCES Property\_Dim(Property\_SID),

FOREIGN KEY (Sales\_Channel\_SID) REFERENCES Sales\_Channel\_Dim(Sales\_Channel\_SID),

FOREIGN KEY (Passenger\_Profile\_Key) REFERENCES Passenger\_Profile\_Dim(Passenger\_Profile\_Key)

);

CREATE TABLE Frequent\_Flyer

(

Points\_redeemed\_ NUMBER(10) NOT NULL,

Passenger\_SID NUMBER(10) NOT NULL,

Passenger\_Profile\_Key NUMBER(10) NOT NULL,

Date\_key NUMBER(10) NOT NULL,

Property\_SID NUMBER(10) NOT NULL,

FOREIGN KEY (Passenger\_SID) REFERENCES Passenger\_Dim(Passenger\_SID),

FOREIGN KEY (Passenger\_Profile\_Key) REFERENCES Passenger\_Profile\_Dim(Passenger\_Profile\_Key),

FOREIGN KEY (Date\_key) REFERENCES Date\_Dim(Date\_key),

FOREIGN KEY (Property\_SID) REFERENCES Property\_Dim(Property\_SID)

);

CREATE TABLE Promotion\_Dim

(

Promo\_SID NUMBER(10) NOT NULL,

Code VARCHAR2(100) NOT NULL,

Name VARCHAR2(100) NOT NULL,

Type VARCHAR2(100) NOT NULL,

Description VARCHAR2(100) NOT NULL,

Discount\_Ratio NUMBER(10) NOT NULL,

PRIMARY KEY (Promo\_SID)

);

CREATE TABLE Customer\_Care\_Fact

(

Flight\_ID\_DD NUMBER(10) NOT NULL,

Ticket\_ID\_DD NUMBER(10) NOT NULL,

Confirmation\_ID\_DD NUMBER(10) NOT NULL,

Description\_TF VARCHAR2(100) NOT NULL,

Rating VARCHAR2(100) NOT NULL,

Passenger\_SID NUMBER(10) NOT NULL,

Type\_ID NUMBER(10) NOT NULL,

Timestamp\_Key NUMBER(10) NOT NULL,

Employee\_SID NUMBER(10) NOT NULL,

Date\_key NUMBER(10) NOT NULL,

Aircraft\_SID NUMBER(10) NOT NULL,

Flight\_Origin\_Airport NUMBER(10) NOT NULL,

Flight\_Destination\_Airport NUMBER(10) NOT NULL,

FOREIGN KEY (Passenger\_SID) REFERENCES Passenger\_Dim(Passenger\_SID),

FOREIGN KEY (Type\_ID) REFERENCES Interaction\_Dim(Type\_ID),

FOREIGN KEY (Timestamp\_Key) REFERENCES Time\_Dim(Timestamp\_Key),

FOREIGN KEY (Employee\_SID) REFERENCES Employee\_Dim(Employee\_SID),

FOREIGN KEY (Date\_key) REFERENCES Date\_Dim(Date\_key),

FOREIGN KEY (Aircraft\_SID) REFERENCES Aircraft\_Dim(Aircraft\_SID),

FOREIGN KEY (Flight\_Origin\_Airport) REFERENCES Airport\_Dim(Airport\_SID),

FOREIGN KEY (Flight\_Destination\_Airport) REFERENCES Airport\_Dim(Airport\_SID)

);

CREATE TABLE AGG\_Customer\_Care\_Fact

(

Flight\_ID\_(DD) INT NOT NULL,

No\_of\_Complaints\_ INT NOT NULL,

No\_of\_Inquiries INT NOT NULL,

No\_of\_\_Positive\_Feedback INT NOT NULL,

No\_of\_\_Negative\_Feedback INT NOT NULL,

Date\_key INT NOT NULL,

Aircraft\_SID INT NOT NULL,

Flight\_Destination\_Airport INT NOT NULL,

Timestamp\_Key INT NOT NULL,

Flight\_Origin\_Airport INT NOT NULL,

FOREIGN KEY (Date\_key) REFERENCES Date\_Dim(Date\_key),

FOREIGN KEY (Aircraft\_SID) REFERENCES Aircraft\_Dim(Aircraft\_SID),

FOREIGN KEY (Flight\_Destination\_Airport) REFERENCES Airport\_Dim(Airport\_SID),

FOREIGN KEY (Timestamp\_Key) REFERENCES Time\_Dim(Timestamp\_Key),

FOREIGN KEY (Flight\_Origin\_Airport) REFERENCES Airport\_Dim(Airport\_SID)

);

CREATE TABLE AGG\_Customer\_Care\_Fact

(

Flight\_ID\_DD NUMBER(10) NOT NULL,

No\_of\_Complaints NUMBER(10) NOT NULL,

No\_of\_Inquiries NUMBER(10) NOT NULL,

No\_of\_Positive\_Feedback NUMBER(10) NOT NULL,

No\_of\_Negative\_Feedback NUMBER(10) NOT NULL,

Date\_key NUMBER(10) NOT NULL,

Aircraft\_SID NUMBER(10) NOT NULL,

Flight\_Destination\_Airport NUMBER(10) NOT NULL,

Timestamp\_Key NUMBER(10) NOT NULL,

Flight\_Origin\_Airport NUMBER(10) NOT NULL,

FOREIGN KEY (Date\_key) REFERENCES Date\_Dim(Date\_key),

FOREIGN KEY (Aircraft\_SID) REFERENCES Aircraft\_Dim(Aircraft\_SID),

FOREIGN KEY (Flight\_Destination\_Airport) REFERENCES Airport\_Dim(Airport\_SID),

FOREIGN KEY (Timestamp\_Key) REFERENCES Time\_Dim(Timestamp\_Key),

FOREIGN KEY (Flight\_Origin\_Airport) REFERENCES Airport\_Dim(Airport\_SID)

);

CREATE TABLE Flight\_Activity

(

Miles\_Flown INT NOT NULL,

Points\_Earned INT NOT NULL,

Base\_Fair\_Revenue INT NOT NULL,

Ticket\_ID\_DD INT NOT NULL,

Segment\_Sequence\_Number\_DD INT NOT NULL,

Confirmation\_Number\_DD INT NOT NULL,

Flight\_ID\_DD INT NOT NULL,

Passenger\_SID NUMBER(10) NOT NULL,

Fair\_Basis\_SID NUMBER(10) NOT NULL,

Sales\_Channel\_SID NUMBER(10) NOT NULL,

Class\_ID NUMBER(10) NOT NULL,

Aircraft\_SID NUMBER(10) NOT NULL,

Flight\_Origin\_Airport NUMBER(10) NOT NULL,

Flight\_Destination\_Airport NUMBER(10) NOT NULL,

Departure\_Date\_Key NUMBER(10) NOT NULL,

Arrival\_Date\_Key NUMBER(10) NOT NULL,

Departure\_Time\_Key NUMBER(10) NOT NULL,

Arrival\_Time\_Key NUMBER(10) NOT NULL,

Passenger\_Profile\_Key NUMBER(10) NOT NULL,

FOREIGN KEY (Passenger\_SID) REFERENCES Passenger\_Dim(Passenger\_SID),

FOREIGN KEY (Fair\_Basis\_SID) REFERENCES Fair\_Basis\_Dim(Fair\_Basis\_SID),

FOREIGN KEY (Sales\_Channel\_SID) REFERENCES Sales\_Channel\_Dim(Sales\_Channel\_SID),

FOREIGN KEY (Class\_ID) REFERENCES Class\_of\_Service\_Flown\_Dim(Class\_ID),

FOREIGN KEY (Aircraft\_SID) REFERENCES Aircraft\_Dim(Aircraft\_SID),

FOREIGN KEY (Flight\_Origin\_Airport) REFERENCES Airport\_Dim(Airport\_SID),

FOREIGN KEY (Flight\_Destination\_Airport) REFERENCES Airport\_Dim(Airport\_SID),

FOREIGN KEY (Departure\_Date\_Key) REFERENCES Date\_Dim(Date\_key),

FOREIGN KEY (Arrival\_Date\_Key) REFERENCES Date\_Dim(Date\_key),

FOREIGN KEY (Departure\_Time\_Key) REFERENCES Time\_Dim(Timestamp\_Key),

FOREIGN KEY (Arrival\_Time\_Key) REFERENCES Time\_Dim(Timestamp\_Key),

FOREIGN KEY (Passenger\_Profile\_Key) REFERENCES Passenger\_Profile\_Dim(Passenger\_Profile\_Key)

);

CREATE TABLE Reservations

(

Ticket\_ID\_DD INT NOT NULL,

Confirmation\_Number\_DD INT NOT NULL,

Total\_Fare INT NOT NULL,

Date\_key NUMBER(10) NOT NULL,

Timestamp\_Key NUMBER(10) NOT NULL,

Airport\_SID NUMBER(10) NOT NULL,

Passenger\_SID NUMBER(10) NOT NULL,

Aircraft\_SID NUMBER(10) NOT NULL,

Class\_ID NUMBER(10) NOT NULL,

Fair\_Basis\_SID NUMBER(10) NOT NULL,

Sales\_Channel\_SID NUMBER(10) NOT NULL,

Passenger\_Profile\_Key NUMBER(10) NOT NULL,

Promo\_SID NUMBER(10) NOT NULL,

FOREIGN KEY (Date\_key) REFERENCES Date\_Dim(Date\_key),

FOREIGN KEY (Timestamp\_Key) REFERENCES Time\_Dim(Timestamp\_Key),

FOREIGN KEY (Airport\_SID) REFERENCES Airport\_Dim(Airport\_SID),

FOREIGN KEY (Passenger\_SID) REFERENCES Passenger\_Dim(Passenger\_SID),

FOREIGN KEY (Aircraft\_SID) REFERENCES Aircraft\_Dim(Aircraft\_SID),

FOREIGN KEY (Class\_ID) REFERENCES Class\_of\_Service\_Flown\_Dim(Class\_ID),

FOREIGN KEY (Fair\_Basis\_SID) REFERENCES Fair\_Basis\_Dim(Fair\_Basis\_SID),

FOREIGN KEY (Sales\_Channel\_SID) REFERENCES Sales\_Channel\_Dim(Sales\_Channel\_SID),

FOREIGN KEY (Passenger\_Profile\_Key) REFERENCES Passenger\_Profile\_Dim(Passenger\_Profile\_Key),

FOREIGN KEY (Promo\_SID) REFERENCES Promotion\_Dim(Promo\_SID)

);