*--Dimension Tables*

CREATE TABLE PROMOTIONS (

PROMOTION\_KEY INT PRIMARY KEY,

PROMOTION\_CODE VARCHAR(100),

PROMOTION\_NAME VARCHAR(100),

PROMOTION\_TYPE VARCHAR(100),

PROMOTION\_STARTDATE DATE,

PROMOTION\_ENDDATE DATE,

PROMOTION\_VALUE NUMBER(8,2) );

CREATE TABLE TICKETS (

TICKET\_KEY INT PRIMARY KEY,

TICKET\_ID VARCHAR(100),

TICKET\_CLASS VARCHAR(100),

FARE NUMBER,

SEAT\_NUM NUMBER(4),

UPGRADE\_CHECK NUMBER(1) );

CREATE TABLE DATE\_TB (

DATE\_KEY INT PRIMARY KEY,

FULL\_DATE DATE,

CALENDAR\_YEAR NUMBER(4),

QUARTER NUMBER(1),

CALENDAR\_MONTH NUMBER(2),

WEEK\_IN\_YEAR NUMBER(3),

WEEK\_IN\_MONTH NUMBER(1),

DAY\_NAME VARCHAR(100),

DAY\_IN\_WEEK NUMBER(1),

DAY\_IN\_MONTH NUMBER(2),

DAY\_IN\_YEAR NUMBER(4) );

CREATE TABLE AIRCRAFTS (

AIRPLANE\_KEY INT PRIMARY KEY,

AIRPLANE\_CODE VARCHAR(100),

AIRPLANE\_TYPE VARCHAR(100),

AIRPLANE\_CAPACITY NUMBER(4) );

CREATE TABLE FLIGHTS(

FLIGHT\_KEY INT PRIMARY KEY,

FLIGHT\_NUMBER NUMBER,

FLIGHT\_ARRIVAL\_CITY VARCHAR(100),

FLIGHT\_DEPARTURE\_CITY VARCHAR(100),

DEP\_TIME DATE,

ARR\_TIME DATE,

TRANSIT\_DURATION NUMBER);

CREATE TABLE PASSENGERS(

PASSENGER\_KEY INT PRIMARY KEY,

PASSENGER\_ID NUMBER,

PASSENGER\_TYPE VARCHAR(100),

PASSENGER\_NAME VARCHAR(100),

CITY VARCHAR(100),

STATE VARCHAR(100),

STREET\_ADDRESS VARCHAR(400),

ZIP\_CODE VARCHAR(100),

MILES NUMBER);

CREATE TABLE RESERVATIONS\_CHANNEL(

RESERVATION\_KEY INT PRIMARY KEY,

RESERVATION\_CHANNEL VARCHAR(100));

CREATE TABLE PROBLEMS(

PROBLEM\_KEY INT PRIMARY KEY,

PROBLEM\_TYPE VARCHAR(100),

PROBLEM\_SEVERITY VARCHAR(100),

INTERACTION\_TYPE VARCHAR(100),

PASSENGER\_COMPLAINT VARCHAR(100));

*--Fact Tables*

CREATE TABLE MARKETING(

FLIGHT\_KEY INT,

PROMOTION\_KEY INT,

TICKET\_KEY INT,

PASSENGER\_KEY INT,

DATE\_KEY INT,

GOLD\_PASSENGERS\_RATIO NUMBER,

ALUMINUM\_PASSENGERS\_RATIO NUMBER,

PLATINUM\_PASSENGERS\_RATIO NUMBER,

TITANIUM\_PASSENGERS\_RATIO NUMBER,

NUM\_UPGRADED\_TICKETS NUMBER);

CREATE TABLE RESERVATIONS(

FLIGHT\_KEY INT,

TICKET\_KEY INT,

DATE\_KEY INT,

PASSENGER\_KEY INT,

RESERVATION\_KEY INT,

AIRPLANE\_KEY INT,

TOTAL\_PROFIT NUMBER);

CREATE TABLE CUSTOMER\_CARE(

DATE\_KEY INT,

FLIGHT\_KEY INT,

PASSENGER\_KEY INT,

AIRPLANE\_KEY INT,

PROBLEM\_KEY INT,

COMPLAINTS\_PER\_FLIGHT NUMBER,

COMPLAINTS\_PER\_FLIGHT\_RATIO NUMBER,

COMPLAINTS\_PER\_AIRPLANE NUMBER,

COMPLAINTS\_PER\_YEAR NUMBER,

COMPLAINTS\_PER\_YEAR\_RATIO NUMBER);