

//LIKHITHA.RAYAPUDI:15MIS0026:POUNAMBAL.M//

```
SQL> create table airport(airport_code varchar2(20) primary key,  
2 name varchar2(20) ,  
3 city varchar2(20) ,  
4 state varchar2(20) )  
5 ;
```

Table created.

```
SQL> create table flight(flight_number varchar2(20) ,  
2 airline varchar2(20) ,  
3 weekdays varchar2(20))  
4 ;
```

Table created.

```
SQL> create table flight_leg(flight_number varchar2(20),  
2 leg_number varchar2(20),  
3 scheduled_departure_time timestamp ,  
4 departure_airport_code varchar2(20) ,  
5 arrival_airport_code varchar2(20) ,  
6 scheduled_arrival_time timestamp ,  
7 constraint flight_leg primary key(flight_number,leg_number),
```

8 foreign key(departure_airport_code) references airport(airport_code),
9 foreign key(arrival_airport_code) references
airport(airport_code)) 10 ;

Table created.

```
SQL> create table leg_instance(flight_number varchar2(20),  
2 leg_number varchar2(20),  
3 dte date not null,  
4 number_of_available_seats number(5) ,  
5 airplane_id varchar2(20) ,  
6 departure_airport_code varchar2(20) ,  
7 departure_time timestamp ,  
8 arrival_airport_code varchar2(20) ,  
9 arrival_time timestamp ,  
10 constraint leg_instance primary key(flight_number,leg_number,dte),  
11 foreign key(flight_number,leg_number) references flight_leg(flight_number,leg_number),  
12 foreign key(departure_airport_code) references airport(airport_code),  
13 foreign key(arrival_airport_code) references airport(airport_code))  
14 ;
```

Table created.

```
SQL> create table fare(flight_number varchar2(20),  
2 fare_code varchar2(20),
```

```
3 amount number(7) ,
4 restrictions varchar2(20) ,
5 constraint flight primary key(flight_number,fare_code))
6 ;
```

Table created.

```
SQL> create table airplane_type(airplane_type_name varchar2(20) primary key,
2 max_seats number(5) ,
3 company varchar2(20) )
4 ;
```

Table created.

```
SQL> create table can_land(airplane_type_name varchar2(20),
2 airport_code varchar2(20),
3 constraint can_land primary key(airplane_type_name,airport_code),
4 foreign key(airplane_type_name) references airplane_type(airplane_type_name
))
5 ;
```

Table created.

```
SQL> create table airplane(airplane_id varchar2(20) primary key,  
2 total_number_of_seats number(5) ,  
3 airplane_type varchar2(20) ,  
4 foreign key(airplane_type) references airplane_type(airplane_type_name))  
5 ;
```

Table created.

```
SQL> alter table leg_instance modify(foreign key(airplane_id) references airplane(airplane_id));
```

Table altered.

```
SQL> create table seat_reservation(flight_number varchar2(20),  
2 leg_number varchar2(20),  
3 dte date not null,  
4 seat_number number(5) ,  
5 customer_name varchar2(20) ,  
6 customer_phone number(10),  
7 constraint seat_reservation primary key(flight_number,leg_number,dte,seat_number),  
8 foreign key(flight_number,leg_number,dte) references leg_instance(flight_number,leg_number,dte))  
9 ;
```

Table created.

SQL> insert into airport values

2 ('&airport_code','&name','&city','&state');

Enter value for airport_code: one

Enter value for name: sam

Enter value for city: guntur

Enter value for state: andhra

old 2: ('&airport_code','&name','&city','&state')

new 2: ('one','sam','guntur','andhra')

1 row created.

SQL> /

Enter value for airport_code: two

Enter value for name: don

Enter value for city: mysore

Enter value for state: karnataka

old 2: ('&airport_code','&name','&city','&state')

new 2: ('two','don','mysore','karnataka')

1 row created.

SQL> /

Enter value for airport_code: three

Enter value for name: agartala

Enter value for city: coimbatore

Enter value for state: tamilnadu

old 2: ('&airport_code','&name','&city','&state')

new 2: ('three','agartala','coimbatore','tamilnadu')

1 row created.

SQL> /

Enter value for airport_code: four

Enter value for name: faltus

Enter value for city: agra

Enter value for state: delhi

old 2: ('&airport_code','&name','&city','&state')

new 2: ('four','faltus','agra','delhi')

1 row created.

SQL> /

Enter value for airport_code: five

Enter value for name: baru

Enter value for city: cochin

Enter value for state: kerala

old 2: ('&airport_code','&name','&city','&state')

new 2: ('five','baru','cochin','kerala')

1 row created.

SQL> /

Enter value for airport_code: six

Enter value for name: sai

Enter value for city: banglore

Enter value for state: karnataka

old 2: ('&airport_code','&name','&city','&state')

new 2: ('six','sai','banglore','karnataka')

1 row created.

SQL> /

Enter value for airport_code: seven

Enter value for name: mani

Enter value for city: chennai

Enter value for state: tamilnadu

old 2: ('&airport_code','&name','&city','&state')

new 2: ('seven','mani','chennai','tamilnadu')

1 row created.

SQL> /

Enter value for airport_code: eight

Enter value for name: sita

Enter value for city: pune

Enter value for state: maharashtra

old 2: ('&airport_code','&name','&city','&state')

new 2: ('eight','sita','pune','maharashtra')

1 row created.

SQL> /

Enter value for airport_code: nine

Enter value for name: lakshmi

Enter value for city: ahmedabad

Enter value for state: gujarat

old 2: ('&airport_code','&name','&city','&state')

new 2: ('nine','lakshmi','ahmedabad','gujarat')

1 row created.

SQL> /

Enter value for airport_code: ten

Enter value for name: jyothi

Enter value for city: panaji

Enter value for state: goa

old 2: ('&airport_code','&name','&city','&state')

new 2: ('ten','jyothi','panaji','goa')

1 row created.

SQL> insert into flight values

2 ('&flight_number','&airline','&weekdays');

Enter value for flight_number: 1234i

Enter value for airline: pinnacle air

Enter value for weekdays: thu,tue,mon

old 2: ('&flight_number','&airline','&weekdays')

new 2: ('1345i','pinnacle air','thu,tue,mon')

1 row created.

SQL> /

Enter value for flight_number: 5778s

Enter value for airline: jet airways

Enter value for weekdays: tue,sat,sun

old 2: ('&flight_number','&airline','&weekdays')

new 2: ('5778s','jet airways','tue,sat,sun')

1 row created.

SQL> /

Enter value for flight_number: 1234r

Enter value for airline: spice jet

Enter value for weekdays: sat,sun,mon

old 2: ('&flight_number','&airline','&weekdays')

new 2: ('1234r','spice jet','sat,sun,mon')

1 row created.

SQL> /

Enter value for flight_number: 5778d

Enter value for airline: air india

Enter value for weekdays: sun,tue,thu

old 2: ('&flight_number','&airline','&weekdays')

new 2: ('5778d','air india','sun,tue,thu')

1 row created.

SQL> /

Enter value for flight_number: 1254f

Enter value for airline: taj air

Enter value for weekdays: wed,sat,sun

old 2: ('&flight_number','&airline','&weekdays')

new 2: ('1254f','taj air','wed,sat,sun')

1 row created.

SQL> /

Enter value for flight_number: 57i24

Enter value for airline: quick jet

Enter value for weekdays: tue,thu,sat

old 2: ('&flight_number','&airline','&weekdays')

new 2: ('57i24','quick jet','tue,thu,sat')

1 row created.

SQL> /

Enter value for flight_number: 9i001

Enter value for airline: air costa

Enter value for weekdays: tue,sat,sun

old 2: ('&flight_number','&airline','&weekdays')

new 2: ('9i001','air costa','tue,sat,sun')

1 row created.

SQL> /

Enter value for flight_number: k1457

Enter value for airline: air india

Enter value for weekdays: sat,sun

old 2: ('&flight_number','&airline','&weekdays')

new 2: ('k1457','air india','sat,sun')

1 row created.

SQL> /

Enter value for flight_number: 14hk1

Enter value for airline: air odisha

Enter value for weekdays: thu,sat,fri

old 2: ('&flight_number','&airline','&weekdays')

new 2: ('14hk1','air odisha','thu,sat,fri')

1 row created.

SQL> /

Enter value for flight_number: 9k0o1

Enter value for airline: kingfisher

Enter value for weekdays: thu,fri,sat

old 2: ('&flight_number','&airline','&weekdays')

new 2: ('9k0o1','kingfisher','thu,fri,sat')

1 row created.

SQL> insert into flight_leg values

2

('&flight_number','&leg_number','&scheduled_department_time','&departure_airport_code','&arrival_ airport_code','&scheduled_arrival_time');

Enter value for flight_number: 1234i

Enter value for leg_number: 3

Enter value for scheduled_department_time: 27-aug-2017,04:05:12

Enter value for departure_airport_code: gun

Enter value for arrival_airport_code: andh

s

Enter value for scheduled_arrival_time: 27-aug-2017,02:05:10

old 2:

('&flight_number','&leg_number','&scheduled_department_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 2: ('1234i','3','27-aug-2017,04:05:12','gun','andh','27-aug-2017,02:05:10')

1 row created.

SQL> /

Enter value for flight_number: 5778s

Enter value for leg_number: 5

Enter value for scheduled_department_time: 23-jul-2017,02:23:54

Enter value for departure_airport_code: mys

Enter value for arrival_airport_code: kar

Enter value for scheduled_arrival_time: 22-jul-2017,08:39:55

old 2:

('&flight_number','&leg_number','&scheduled_department_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 2: ('5778s','5','23-jul-2017,02:23:54','mys','kar','22-jul-2017,08:39:55')

1 row created.

SQL> /

Enter value for flight_number: 1234r

Enter value for leg_number: 2

Enter value for scheduled_department_time: 13-jun-2017,11:35:27

Enter value for departure_airport_code: coi

Enter value for arrival_airport_code: tam

Enter value for scheduled_arrival_time: 11-jun-2017,12:00:00

old 2:

('&flight_number','&leg_number','&scheduled_department_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 2: ('1234r','2','13-jun-2017,11:35:27','coi','tam','11-jun-2017,12:00:00')

1 row created.

SQL> /

Enter value for flight_number: 5778d

Enter value for leg_number: 1

Enter value for scheduled_department_time: 11-aug-2017,05:23:48

Enter value for departure_airport_code: agra

Enter value for arrival_airport_code: delh

Enter value for scheduled_arrival_time: 10-aug-2017,04:59:59

old 2:

('&flight_number','&leg_number','&scheduled_department_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 2: ('5778d','1','11-aug-2017,05:23:48','agra','delh','10-aug-2017,04:59:59')

1 row created.

SQL> /

Enter value for flight_number: 1254f

Enter value for leg_number: 4

Enter value for scheduled_department_time: 25-jan-2017,01:20:59

Enter value for departure_airport_code: coc

Enter value for arrival_airport_code: ker

Enter value for scheduled_arrival_time: 25-jan-2017,01:00:00

old 2:

('&flight_number','&leg_number','&scheduled_department_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 2: ('1254f','4','25-jan-2017,01:20:59','coc','ker','25-jan-2017,01:00:00')

1 row created.

SQL> /

Enter value for flight_number: 57i24

Enter value for leg_number: 5

Enter value for scheduled_department_time: 12-aug-2017,05:25:23

Enter value for departure_airport_code: ban

Enter value for arrival_airport_code: karn

Enter value for scheduled_arrival_time: 11-feb-2017,04:29:33

old 2:

('&flight_number','&leg_number','&scheduled_department_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 2: ('57i24','5','12-aug-2017,05:25:23','ban','karn','11-feb-2017,04:29:33')

1 row created.

SQL> /

Enter value for flight_number: 9i001

Enter value for leg_number: 4

Enter value for scheduled_department_time: 07-jan-2017,05:22:45

Enter value for departure_airport_code: che

Enter value for arrival_airport_code: tami

Enter value for scheduled_arrival_time: 05-jan-2017,05:18:03

old 2:

('&flight_number','&leg_number','&scheduled_department_time','&departure_airport_code','&arrival_ airport_code','&scheduled_arrival_time')

new 2: ('9i001','4','07-jan-2017,05:22:45','tami','che','05-jan-2017,05:18:03')

1 row created.

SQL> /

Enter value for flight_number: k1457

Enter value for leg_number: 7

Enter value for scheduled_department_time: 24-apr-2017,03:28:55

Enter value for departure_airport_code: pun

Enter value for arrival_airport_code: mah

Enter value for scheduled_arrival_time: 23-apr-2017,04:38:55

old 2:

('&flight_number','&leg_number','&scheduled_department_time','&departure_airport_code','&arrival_ airport_code','&scheduled_arrival_time')

new 2: ('k1457','7','24-apr-2017,03:28:55','pun','mah','23-apr-2017,04:38:55')

1 row created.

SQL> /

Enter value for flight_number: 14hk1

Enter value for leg_number: 8

Enter value for scheduled_department_time: 11-may-2017,09:58:59

Enter value for departure_airport_code: ahm

Enter value for arrival_airport_code: guj

Enter value for scheduled_arrival_time: 10-may-2017,08:58:59

old 2:

('&flight_number','&leg_number','&scheduled_department_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 2: ('14hk1','8','11-may-2017,09:58:59','ahm','guj','10-may-2017,08:58:59')

1 row created.

SQL> /

Enter value for flight_number: 9k0o1

Enter value for leg_number: 7

Enter value for scheduled_department_time: 29-feb-2017,12:00:00

Enter value for departure_airport_code: pan

Enter value for arrival_airport_code: goa

Enter value for scheduled_arrival_time: 28-feb-2017,11:11:11

old 2:

('&flight_number','&leg_number','&scheduled_department_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 2: ('9k0o1','7','29-feb-2017,12:00:00','pan','goa','28-feb-2017,11:11:11')

1 row created.

SQL> insert into fare values

2 ('&flight_number','&fare_code','&amount','&restrictions');

Enter value for flight_number: 1234i

Enter value for fare_code: an045

Enter value for amount: 40000

Enter value for restrictions: no smoking

old 2: ('&flight_number','&fare_code','&amount','&restrictions')

new 2: ('1234i','an045','40000','no smoking')

1 row created.

SQL> /

Enter value for flight_number: 5778s

Enter value for fare_code: ka039

Enter value for amount: 57000

Enter value for restrictions: not to use mobile

old 2: ('&flight_number','&fare_code','&amount','&restrictions')

new 2: ('5778s','ka039','57000','not to use mobile')

1 row created.

SQL> /

Enter value for flight_number: 1234r

Enter value for fare_code: ta075

Enter value for amount: 75000

Enter value for restrictions: switch of cellphone

old 2: ('&flight_number','&fare_code','&amount','&restrictions')

new 2: ('1234r','ta075','75000','switch of cellphone')

1 row created.

SQL> /

Enter value for flight_number: 5778d

Enter value for fare_code: de981

Enter value for amount: 89000

Enter value for restrictions: not to drink alcohol

old 2: ('&flight_number','&fare_code','&amount','&restrictions')

new 2: ('5778d','de981','89000','not to drink alcohol')

1 row created.

SQL> /

Enter value for flight_number: 1254f

Enter value for fare_code: ke001

Enter value for amount: 12000

Enter value for restrictions: no sharp objects

old 2: ('&flight_number','&fare_code','&amount','&restrictions')

new 2: ('1254f','ke001','12000','no sharp objects')

1 row created.

SQL> /

Enter value for flight_number: 57i24

Enter value for fare_code: kar43

Enter value for amount: 57000

Enter value for restrictions: no weapons

old 2: ('&flight_number','&fare_code','&amount','&restrictions')

new 2: ('57i24','kar43','57000','no weapons')

1 row created.

SQL> /

Enter value for flight_number: 9i001

Enter value for fare_code: ta031

Enter value for amount: 45000

Enter value for restrictions: no outside food

old 2: ('&flight_number','&fare_code','&amount','&restrictions')

new 2: ('9i001','ta031','45000','no outside food')

1 row created.

SQL> /

Enter value for flight_number: k1457

Enter value for fare_code: ma391

Enter value for amount: 89000

Enter value for restrictions: no extra luggage

old 2: ('&flight_number','&fare_code','&amount','&restrictions')

new 2: ('k1457','ma391','89000','no extra luggage')

1 row created.

SQL> /

Enter value for flight_number: 14hk1

Enter value for fare_code: gu9k1

Enter value for amount: 77000

Enter value for restrictions: no mobilephone

old 2: ('&flight_number','&fare_code','&amount','&restrictions')

new 2: ('14hk1','gu9k1','77000','no mobilephone')

1 row created.

SQL> /

Enter value for flight_number: 9k0o1

Enter value for fare_code: go431

Enter value for amount: 77777

Enter value for restrictions: restrict fireworks

old 2: ('&flight_number','&fare_code','&amount','&restrictions')

new 2: ('9k0o1','go431','77777','restrict fireworks')

1 row created.

SQL> insert into airplane_type values

2 ('&airplane_type_name','&max_seats','&comany');

Enter value for airplane_type_name: domestic Enter

value for max_seats: 200

Enter value for comany: ethiard

old 2: ('&airplane_type_name','&max_seats','&comany')

new 2: ('domestic','200','ethiard')

1 row created.

SQL> /

Enter value for airplane_type_name: bussiness

Enter value for max_seats: 250

Enter value for comany: jet airways

old 2: ('&airplane_type_name','&max_seats','&comany')

new 2: ('bussiness','250','jet airways')

1 row created.

SQL> /

Enter value for airplane_type_name: cargo

Enter value for max_seats: 150

Enter value for comany: go air

old 2: ('&airplane_type_name','&max_seats','&comany')

```
new 2: ('cargo','150','go air')
```

1 row created.

```
SQL> /
```

```
Enter value for airplane_type_name: bigplane
```

```
Enter value for max_seats: 200
```

```
Enter value for comany: indigo
```

```
old 2: ('&airplane_type_name','&max_seats','&comany')
```

```
new 2: ('bigplane','200','indigo')
```

1 row created.

```
SQL> /
```

```
Enter value for airplane_type_name: floatplane
```

```
Enter value for max_seats: 545
```

```
Enter value for comany: spicejet
```

```
old 2: ('&airplane_type_name','&max_seats','&comany')
```

```
new 2: ('floatplane','545','spicejet')
```

1 row created.

```
SQL> /
```

```
Enter value for airplane_type_name: high wing
```

```
Enter value for max_seats: 450
```

Enter value for comany: vistra

old 2: ('&airplane_type_name','&max_seats','&comany')

new 2: ('high wing','450','vistra')

1 row created.

SQL> /

Enter value for airplane_type_name: low wing

Enter value for max_seats: 200

Enter value for comany: air india

old 2: ('&airplane_type_name','&max_seats','&comany')

new 2: ('low wing','200','air india')

1 row created.

SQL> /

Enter value for airplane_type_name: regional

Enter value for max_seats: 800

Enter value for comany: jet

old 2: ('&airplane_type_name','&max_seats','&comany')

new 2: ('regional','800','jet')

1 row created.

SQL> /

Enter value for airplane_type_name: sea planes

Enter value for max_seats: 120

Enter value for comany: spice jet

old 2: ('&airplane_type_name','&max_seats','&comany')

new 2: ('sea planes','120','spice jet')

1 row created.

SQL> /

Enter value for airplane_type_name: tail dragger

Enter value for max_seats: 157

Enter value for comany: vistra

old 2: ('&airplane_type_name','&max_seats','&comany')

new 2: ('tail dragger','157','vistra')

1 row created.

SQL> insert into can_land values

2 ('&airplane_type_name','&airport_code');

Enter value for airplane_type_name:

floatplane Enter value for airport_code: one

old 2: ('&airplane_type_name','&airport_code')

new 2: ('floatplane','one')

1 row created.

SQL> /

Enter value for airplane_type_name: cargo

Enter value for airport_code: two

old 2: ('&airplane_type_name','&airport_code')

new 2: ('cargo','two')

1 row created.

SQL> /

Enter value for airplane_type_name: high wing

Enter value for airport_code: three

old 2: ('&airplane_type_name','&airport_code')

new 2: ('high wing','three')

1 row created.

SQL> /

Enter value for airplane_type_name: low wing

Enter value for airport_code: four

old 2: ('&airplane_type_name','&airport_code')

new 2: ('low wing','four')

1 row created.

SQL> /

Enter value for airplane_type_name: sea planes

Enter value for airport_code: five

old 2: ('&airplane_type_name','&airport_code')

new 2: ('sea planes','five')

1 row created.

SQL> /

Enter value for airplane_type_name: domestic

Enter value for airport_code: six

old 2: ('&airplane_type_name','&airport_code')

new 2: ('domestic','six')

1 row created.

SQL> /

Enter value for airplane_type_name: bussiness

Enter value for airport_code: seven

old 2: ('&airplane_type_name','&airport_code')

new 2: ('bussiness','seven')

1 row created.

SQL> /

Enter value for airplane_type_name: bigplane

Enter value for airport_code: eight

old 2: ('&airplane_type_name','&airport_code')

new 2: ('bigplane','eight')

1 row created.

SQL> /

Enter value for airplane_type_name: regional

Enter value for airport_code: nine

old 2: ('&airplane_type_name','&airport_code')

new 2: ('regional','nine')

1 row created.

SQL> /

Enter value for airplane_type_name: tail dragger

Enter value for airport_code: ten

old 2: ('&airplane_type_name','&airport_code')

new 2: ('tail dragger','ten')

1 row created.

SQL> insert into airplane values

2 ('&airplane_id','&total_no_of_seats','&airplane_type');

Enter value for airplane_id: an045

Enter value for total_no_of_seats: 200

Enter value for airplane_type: domestic

old 2: ('&airplane_id','&total_no_of_seats','&airplane_type')

new 2: ('an045','200','domestic')

1 row created.

SQL> /

Enter value for airplane_id: ka039

Enter value for total_no_of_seats: 250

Enter value for airplane_type: bigplane

old 2: ('&airplane_id','&total_no_of_seats','&airplane_type')

new 2: ('ka039','250','bigplane')

1 row created.

SQL> /

Enter value for airplane_id: ta075

Enter value for total_no_of_seats: 454

Enter value for airplane_type: floatplane

old 2: ('&airplane_id','&total_no_of_seats','&airplane_type')

new 2: ('ta075','454','floatplane')

1 row created.

SQL> /

Enter value for airplane_id: de981

Enter value for total_no_of_seats: 405

Enter value for airplane_type: high wing

old 2: ('&airplane_id','&total_no_of_seats','&airplane_type')

new 2: ('de981','405','high wing')

1 row created.

SQL> /

Enter value for airplane_id: ke001

Enter value for total_no_of_seats: 300

Enter value for airplane_type: cargo

old 2: ('&airplane_id','&total_no_of_seats','&airplane_type')

new 2: ('ke001','300','cargo')

1 row created.

SQL> /

Enter value for airplane_id: kar43

Enter value for total_no_of_seats: 120

Enter value for airplane_type: bussiness

old 2: ('&airplane_id','&total_no_of_seats','&airplane_type')

new 2: ('kar43','120','bussiness')

1 row created.

SQL> /

Enter value for airplane_id: ta031

Enter value for total_no_of_seats: 250

Enter value for airplane_type: low wing

old 2: ('&airplane_id','&total_no_of_seats','&airplane_type')

new 2: ('ta031','250','low wing')

1 row created.

SQL> /

Enter value for airplane_id: ma391

Enter value for total_no_of_seats: 320

Enter value for airplane_type: regional

old 2: ('&airplane_id','&total_no_of_seats','&airplane_type')

new 2: ('ma391','320','regional')

1 row created.

SQL> /

Enter value for airplane_id: gu9k1

Enter value for total_no_of_seats: 125

Enter value for airplane_type: sea planes

old 2: ('&airplane_id','&total_no_of_seats','&airplane_type')

new 2: ('gu9k1','125','sea planes')

1 row created.

SQL> /

Enter value for airplane_id: go431

Enter value for total_no_of_seats: 457

Enter value for airplane_type: tail dragger

old 2: ('&airplane_id','&total_no_of_seats','&airplane_type')

new 2: ('go431','457','tail dragger')

1 row created.

SQL> insert into leg_instance values

2

('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time');

Enter value for flight_number: 1234i

Enter value for leg_number: 3

Enter value for dte: 04-jan-2017

Enter value for number_of_available_seats: 25

Enter value for airplane_id: an045

Enter value for departure_airport_code: gun

Enter value for departure_time: 04-jan-2017,11:25:21

Enter value for arrival_airport_code: andh

Enter value for arrival_time: 03-jan-2017,11:25:21

old 2:

('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')

new 2: ('1234i','3','04-jan-2017','25','an045','gun','04-jan-2017,11:25:21','andh','03-jan-2017,11:25:21')

1 row created.

SQL> /

Enter value for flight_number: 5778s

Enter value for leg_number: 5

Enter value for dte: 03-jan-2017

Enter value for number_of_available_seats: 45

Enter value for airplane_id: ka039

Enter value for departure_airport_code: mys

Enter value for departure_time: 03-feb-2017,11:25:21

Enter value for arrival_airport_code: kar

Enter value for arrival_time: 12-feb-2017,11:25:21

old 2:

('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')

new 2: ('5778s','5','03-jan-2017','45','ka039','mys','03-feb-2017,11:25:21','kar','12-feb-2017,11:25:21')

1 row created.

SQL> /

Enter value for flight_number: 1234r

Enter value for leg_number: 2

Enter value for dte: 13-mar-2017

Enter value for number_of_available_seats: 47

Enter value for airplane_id: ta075

Enter value for departure_airport_code: coi

Enter value for departure_time: 12-mar-2017,11:30:21

Enter value for arrival_airport_code: tam

Enter value for arrival_time: 11-mar-2017,11:30:21

old 2:

('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')

new 2: ('1234r','2','13-mar-2017','47','ta075','coi','12-mar-2017,11:30:21','tam','11-mar-2017,11:30:21')

1 row created.

SQL> /

Enter value for flight_number: 5778d

Enter value for leg_number: 1

Enter value for dte: 21-apr-2017

Enter value for number_of_available_seats: 89

Enter value for airplane_id: de981

Enter value for departure_airport_code: agra

Enter value for departure_time: 11-apr-2017,01:40:41

Enter value for arrival_airport_code: delh

Enter value for arrival_time: 10-apr-2017,01:40:41

old 2:

```
('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')
```

new 2: ('5778d','1','21-apr-2017','89','de981','agra','11-apr-2017,01:40:41','delh','10-apr-2017,01:40:41')

1 row created.

SQL> /

Enter value for flight_number: 1254f

Enter value for leg_number: 4

Enter value for dte: 11-apr-2017

Enter value for number_of_available_seats: 79

Enter value for airplane_id: ke001

Enter value for departure_airport_code: coc

Enter value for departure_time: 11-apr-2017,01:40:41

Enter value for arrival_airport_code: ker

Enter value for arrival_time: 10-apr-2017,01:40:41

old 2:

```
('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')
```

new 2: ('1254f','4','11-apr-2017','79','ke001','coc','11-apr-2017,01:40:41','ker','10-apr-2017,01:40:41')

1 row created.

SQL> /

Enter value for flight_number: 57i24

Enter value for leg_number: 5

Enter value for dte: 01-may-2017

Enter value for number_of_available_seats: 84

Enter value for airplane_id: kar43

Enter value for departure_airport_code: ban

Enter value for departure_time: 01-may-2017,01:30:21

Enter value for arrival_airport_code: kar

Enter value for arrival_time: 01-may-2017,01:20:41

old 2:

('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')

new 2: ('57i24','5','01-may-2017','84','kar43','ban','01-may-2017,01:30:21','kar','01-may-2017,01:20:41')

1 row created.

SQL> /

Enter value for flight_number: 9i001

Enter value for leg_number: 4

Enter value for dte: 21-jun-2017

Enter value for number_of_available_seats: 93

Enter value for airplane_id: ta031

Enter value for departure_airport_code: che

Enter value for departure_time: 11-jun-2017,01:40:41

Enter value for arrival_airport_code: tami

Enter value for arrival_time: 10-jun-2017,01:40:41

old 2:

```
('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')
```

new 2: ('9i001','4','21-jun-2017','93','ta031','chi','11-jun-2017,01:40:41','tam','10-jun-2017,01:40:41')

1 row created.

SQL> /

Enter value for flight_number:k1457

Enter value for leg_number: 7

Enter value for dte: 21-jul-2017

Enter value for number_of_available_seats: 89

Enter value for airplane_id: ma391

Enter value for departure_airport_code: pun

Enter value for departure_time: 21-jul-2017,11:20:15

Enter value for arrival_airport_code: mah

Enter value for arrival_time: 20-jul-2017,11:20:51

old 2:

```
('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')
```

new 2: ('k1457','7','21-jul-2017','89','ma391','pun','21-jul-2017,11:20:15','mah','20-jul-2017,11:20:51')

1 row created.

SQL> /

Enter value for flight_number: 14hk1

Enter value for leg_number: 8

Enter value for dte: 10-aug-2017

Enter value for number_of_available_seats: 40

Enter value for airplane_id: gu9k1

Enter value for departure_airport_code: ahm

Enter value for departure_time: 11-apr-2017,01:40:41

Enter value for arrival_airport_code: guj

Enter value for arrival_time: 10-apr-2017,01:40:41

old 2:

('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')

new 2: ('14hk1','8','11-aug-2017','40','gu9k1','ahm','11-apr-2017,01:40:41','guj','10-apr-2017,01:40:41')

1 row created.

SQL> /

Enter value for flight_number: 9k0o1

Enter value for leg_number: 7

Enter value for dte: 23-sep-2017

Enter value for number_of_available_seats: 27

Enter value for airplane_id: go431

Enter value for departure_airport_code: pan

Enter value for departure_time: 24-sep-2017,11:09:12

Enter value for arrival_airport_code: goa

Enter value for arrival_time: 23-sep-2017,11:09:12

old 2:

('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')

```
new 2: ('9k0o1','7','23-sep-2017','27','go431','pan','24-sep-2017,11:09:12','goa','23-sep-2017,11:09:12')
```

1 row created.

```
SQL> create table seat_reservation(flight_number varchar2(20) not null,  
2 leg_number varchar2(20) not null,  
3 dte date,  
4 seat_number number(10),  
5 customer_name varchar2(20) not null,  
6 customer_phone number(10),  
7 primary key(flight_number,leg_number,dte,seat_number),  
8 foreign key(flight_number,leg_number,dte) references  
leg_instance(flight_number,leg_number,dte));
```

Table created.

```
SQL> alter table leg_instance modify(foreign key(airplane_id) references airplane(airplane_id));
```

Table altered.

```
SQL> insert into airport values('&airport_code','&name','&city','&state');
```

Enter value for airport_code: one

Enter value for name: sam

Enter value for city: goa

Enter value for state: panaji

old 1: insert into airport values('&airport_code','&name','&city','&state')

new 1: insert into airport values('one','sam','goa','panaji')

1 row created.

SQL> /

Enter value for airport_code: two

Enter value for name: don

Enter value for city: mysore

Enter value for state: karnataka

old 1: insert into airport values('&airport_code','&name','&city','&state')

new 1: insert into airport values('two','don','mysore','karnataka')

1 row created.

SQL> /

Enter value for airport_code: three

Enter value for name: agartala

Enter value for city: coimbatore

Enter value for state: tamilnadu

old 1: insert into airport values('&airport_code','&name','&city','&state')

new 1: insert into airport values('three','agartala','coimbatore','tamilnadu')

1 row created.

SQL> /

Enter value for airport_code: four

Enter value for name: faltus

Enter value for city: agra

Enter value for state: delhi

old 1: insert into airport values('&airport_code','&name','&city','&state')

new 1: insert into airport values('four','faltus','agra','delhi')

1 row created.

SQL> /

Enter value for airport_code: five

Enter value for name: baru

Enter value for city: cochin

Enter value for state: kerala

old 1: insert into airport values('&airport_code','&name','&city','&state')

new 1: insert into airport values('five','baru','cochin','kerala')

1 row created.

SQL> /

Enter value for airport_code: six

Enter value for name: sai

Enter value for city: bangalore

Enter value for state: karnataka

old 1: insert into airport values('&airport_code','&name','&city','&state')

new 1: insert into airport values('six','sai','bangalore','karnataka')

1 row created.

SQL> /

Enter value for airport_code: seven

Enter value for name: mani

Enter value for city: chennai

Enter value for state: tamilnadu

old 1: insert into airport values('&airport_code','&name','&city','&state')

new 1: insert into airport values('seven','mani','chennai','tamilnadu')

1 row created.

SQL> /

Enter value for airport_code: eight

Enter value for name: sita

Enter value for city: pune

Enter value for state: maharashtra

old 1: insert into airport values('&airport_code','&name','&city','&state')

```
new 1: insert into airport values('eight','sita','pune','maharastra')
```

1 row created

```
SQL> /
```

```
Enter value for airport_code: nine
```

```
Enter value for name: lakshmi
```

```
Enter value for city: ahmedabad
```

```
Enter value for state: gujarat
```

```
old 1: insert into airport values('&airport_code','&name','&city','&state')
```

```
new 1: insert into airport values('nine','lakshmi','ahmedabad','gujarat')
```

1 row created.

```
SQL> /
```

```
Enter value for airport_code: ten
```

```
Enter value for name: jyothi
```

```
Enter value for city: panaji
```

```
Enter value for state: goa
```

```
old 1: insert into airport values('&airport_code','&name','&city','&state')
```

```
new 1: insert into airport values('ten','jyothi','panaji','goa')
```

1 row created.

```
SQL> insert into flight values('&flight_number','&airline','&weekdays');
```

```
Enter value for flight_number: 1234i
```

```
Enter value for airline: jet
```

```
Enter value for weekdays: mon,wed,thu
```

```
old 1: insert into flight values('&flight_number','&airline','&weekdays')
```

```
new 1: insert into flight values('1234i','jet','mon,wed,thu')
```

```
1 row created.
```

```
SQL> /
```

```
Enter value for flight_number: 5778s
```

```
Enter value for airline: air india
```

```
Enter value for weekdays: sat,mon,tue
```

```
old 1: insert into flight values('&flight_number','&airline','&weekdays')
```

```
new 1: insert into flight values('5778s','air india','sat,mon,tue')
```

```
1 row created.
```

```
SQL> /
```

```
Enter value for flight_number: 1234r
```

```
Enter value for airline: indigo
```

```
Enter value for weekdays: mon,wed
```

```
old 1: insert into flight values('&flight_number','&airline','&weekdays')
```

```
new 1: insert into flight values('1234r','indigo','mon,wed')
```

1 row created.

```
SQL> /
```

```
Enter value for flight_number: 5778d
```

```
Enter value for airline: spice jet
```

```
Enter value for weekdays: sat,wed,fri
```

```
old 1: insert into flight values('&flight_number','&airline','&weekdays')
```

```
new 1: insert into flight values('5778d','spice jet','sat,wed,fri')
```

1 row created.

```
SQL> /
```

```
Enter value for flight_number: 1254f
```

```
Enter value for airline: vistara
```

```
Enter value for weekdays: sun,wed,fri
```

```
old 1: insert into flight values('&flight_number','&airline','&weekdays')
```

```
new 1: insert into flight values('1254f','vistara','sun,wed,fri')
```

1 row created.

```
SQL> /
```

```
Enter value for flight_number: 57i24
```

```
Enter value for airline: karntaka
```

Enter value for weekdays: wed,mon,sun

old 1: insert into flight values('&flight_number','&airline','&weekdays')

new 1: insert into flight values('57i24','karntaka','wed,mon,sun')

1 row created.

SQL> /

Enter value for flight_number:9i001

Enter value for airline: go air

Enter value for weekdays: thu,mon

old 1: insert into flight values('&flight_number','&airline','&weekdays')

new 1: insert into flight values('9i001','go air','thu,mon')

1 row created.

SQL> /

Enter value for flight_number: k1457

Enter value for airline: british

Enter value for weekdays: sun,wed

old 1: insert into flight values('&flight_number','&airline','&weekdays')

new 1: insert into flight values('k1457','british','sun,wed')

1 row created.

SQL> /

Enter value for flight_number: 14hk1

Enter value for airline: chennai

Enter value for weekdays: mon,tue,thu

old 1: insert into flight values('&flight_number','&airline','&weekdays')

new 1: insert into flight values('14hk1','chennai','mon,tue,thu')

1 row created.

SQL> /

Enter value for flight_number: 9k0o1

Enter value for airline: air asia

Enter value for weekdays: wed,sat,sun

old 1: insert into flight values('&flight_number','&airline','&weekdays')

new 1: insert into flight values('9k0o1','air asia','wed,sat,sun')

1 row created.

SQL> insert into flight_leg

values('&flight_number','&leg_number','&scheduled_departure_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time');

Enter value for flight_number: 1234i

Enter value for leg_number: 3

Enter value for scheduled_departure_time: 4-may-2014,12:01:40

Enter value for departure_airport_code: gun

Enter value for arrival_airport_code: andh

Enter value for scheduled_arrival_time: 5-may-2014,12:01:40

old 1: insert into flight_leg

values('&flight_number','&leg_number','&scheduled_departure_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

```
new 1: insert into flight_leg values('1234i','1','4-may-2014,12:01:40','gun','andh','5-may-2014,12:01:40')
```

1 row created.

```
SQL> /
```

Enter value for flight_number: 5778s

Enter value for leg_number: 5

Enter value for scheduled_departure_time: 4-jun-2014,12:10:30

Enter value for departure_airport_code: mys

Enter value for arrival_airport_code: kar

Enter value for scheduled_arrival_time: 5-jun-2014,12:11:50

```
old 1: insert into flight_leg
```

```
values('&flight_number','&leg_number','&scheduled_departure_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')
```

```
new 1: insert into flight_leg values('5778s','5','4-jun-2014,12:10:30','mys','kar','5-jun-2014,12:11:50')
```

1 row created.

```
SQL> /
```

Enter value for flight_number: 1234r

Enter value for leg_number: 2

Enter value for scheduled_departure_time: 4-aug-2015,10:10:49

Enter value for departure_airport_code: coi

Enter value for arrival_airport_code: tam

Enter value for scheduled_arrival_time: 5-aug-2015,9:11:20

old 1: insert into flight_leg

values('&flight_number','&leg_number','&scheduled_departure_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 1: insert into flight_leg values('1234r','2','4-aug-2015,10:10:49','coi','tam','5-aug-2015,9:11:20')

1 row created.

SQL> /

Enter value for flight_number: 5778d

Enter value for leg_number: 1

Enter value for scheduled_departure_time: 7-aug-2015,08:11:11

Enter value for departure_airport_code: agra

Enter value for arrival_airport_code: delh

Enter value for scheduled_arrival_time: 7-aug-2015,07:20:15

old 1: insert into flight_leg

values('&flight_number','&leg_number','&scheduled_departure_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 1: insert into flight_leg values('5778d','1','7-aug-2015,08:11:11','agra','delh','7-aug-2015,07:20:15')

1 row created

SQL> /

Enter value for flight_number:1254f

Enter value for leg_number: 4

Enter value for scheduled_departure_time: 11-sep-2015,05:05:50

Enter value for departure_airport_code: coc

Enter value for arrival_airport_code: ker

Enter value for scheduled_arrival_time: 12-sep-2015,07:30:40

old 1: insert into flight_leg

values('&flight_number','&leg_number','&scheduled_departure_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 1: insert into flight_leg values('1254f','4','11-sep-2015,05:05:50','coc','ker','12-sep-2015,07:30:40')

1 row created.

SQL> /

Enter value for flight_number: 57i24

Enter value for leg_number: 5

Enter value for scheduled_departure_time: 28-dec-2015,02:12:37

Enter value for departure_airport_code: ban

Enter value for arrival_airport_code: karn

Enter value for scheduled_arrival_time: 29-dec-2015,12:02:40

old 1: insert into flight_leg

values('&flight_number','&leg_number','&scheduled_departure_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 1: insert into flight_leg values('57i24','5','28-dec-2015,02:12:37','ban','karn','29-dec-2015,12:02:40')

1 row created.

SQL> /

Enter value for flight_number: 9i001

Enter value for leg_number: 4

Enter value for scheduled_departure_time: 1-jan-2017,12:12:12

Enter value for departure_airport_code: che

Enter value for arrival_airport_code: tami

Enter value for scheduled_arrival_time:

old 1: insert into flight_leg

values('&flight_number','&leg_number','&scheduled_departure_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 1: insert into flight_leg values('9i001','4','1-jan-2017,12:12:12','che','tami','')

1 row created.

SQL> /

Enter value for flight_number: k1457

Enter value for leg_number: 7

Enter value for scheduled_departure_time: 7-jan-2017,01:20:45

Enter value for departure_airport_code: pun

Enter value for arrival_airport_code: mah

Enter value for scheduled_arrival_time: 7-jan-2017,02:22:50

old 1: insert into flight_leg

values('&flight_number','&leg_number','&scheduled_departure_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 1: insert into flight_leg values('k1457','7','7-jan-2017,01:20:45','pun','mah','7-jan-2017,02:22:50')

1 row created.

SQL> /

Enter value for flight_number: 14hk1

Enter value for leg_number: 8

Enter value for scheduled_departure_time: 05-mar-2017,07:20:45

Enter value for departure_airport_code: ahm

Enter value for arrival_airport_code: guj

Enter value for scheduled_arrival_time: 07-mar-2017,07:21:50

old 1: insert into flight_leg

values('&flight_number','&leg_number','&scheduled_departure_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 1: insert into flight_leg values('14hk1','8','05-mar-2017,07:20:45','ahm','guj','07-mar-2017,07:21:50')

1 row created.

SQL> /

Enter value for flight_number: 9k0o1

Enter value for leg_number: 7

Enter value for scheduled_departure_time: 14-aug-2017,03:50:57

Enter value for departure_airport_code: pan

Enter value for arrival_airport_code: goa

Enter value for scheduled_arrival_time: 15-aug-2017,12:12:12

old 1: insert into flight_leg

values('&flight_number','&leg_number','&scheduled_departure_time','&departure_airport_code','&arrival_airport_code','&scheduled_arrival_time')

new 1: insert into flight_leg values('9k0o1','7','14-aug-2017,03:50:57','pan','goa','15-aug-2017,12:12:12')

1 row created.

```
SQL> insert into fare values('&flight_number','&fare_code','&amount','&restrictions');
```

Enter value for flight_number: 1234i

Enter value for fare_code: an045

Enter value for amount: 10000

Enter value for restrictions: no smoking

```
old 1: insert into fare values('&flight_number','&fare_code','&amount','&restrictions')
```

```
new 1: insert into fare values('1234i','an045','10000','no smoking')
```

1 row created.

```
SQL> /
```

Enter value for flight_number: 5778s

Enter value for fare_code: ka039

Enter value for amount: 15000

Enter value for restrictions: shut down moblie

```
old 1: insert into fare values('&flight_number','&fare_code','&amount','&restrictions')
```

```
new 1: insert into fare values('5778s','ka039','15000','shut down moblie')
```

1 row created.

SQL> /

Enter value for flight_number: 1234r

Enter value for fare_code: ta075

Enter value for amount: 200000

Enter value for restrictions: no alchol

old 1: insert into fare values('&flight_number','&fare_code','&amount','&restrictions')

new 1: insert into fare values('1234r','ta075','200000','no alchol')

1 row created.

SQL> /

Enter value for flight_number: 5778d

Enter value for fare_code: de981

Enter value for amount: 250000

Enter value for restrictions: out food not allow

old 1: insert into fare values('&flight_number','&fare_code','&amount','&restrictions')

new 1: insert into fare values('5778d','de981','250000','out food not allow')

1 row created.

SQL> /

Enter value for flight_number: 1254f

Enter value for fare_code:ke001

Enter value for amount: 300000

Enter value for restrictions: no weapons

old 1: insert into fare values('&flight_number','&fare_code','&amount','&restrictions')

```
new 1: insert into fare values('1254f','ke001','300000','no weapons')
```

1 row created.

```
SQL> /
```

```
Enter value for flight_number:57i24
```

```
Enter value for fare_code: kar43
```

```
Enter value for amount: 350000
```

```
Enter value for restrictions: no alchol
```

```
old 1: insert into fare values('&flight_number','&fare_code','&amount','&restrictions')
```

```
new 1: insert into fare values('57i24','kar43','350000','no alchol')
```

1 row created.

```
SQL> /
```

```
Enter value for flight_number: 9i001
```

```
Enter value for fare_code: ta031
```

```
Enter value for amount: 400000
```

```
Enter value for restrictions: fire works
```

```
old 1: insert into fare values('&flight_number','&fare_code','&amount','&restrictions')
```

```
new 1: insert into fare values('9i001','ta031','400000','fire works')
```

1 row created.

```
SQL> /
```

```
Enter value for flight_number: k1457
```

Enter value for fare_code: ma391

Enter value for amount: 450000

Enter value for restrictions: electrical not allow

old 1: insert into fare values('&flight_number','&fare_code','&amount','&restrictions')

new 1: insert into fare values('k1457','ma391','450000','electrical not allow')

1 row created.

SQL> /

Enter value for flight_number:14hk1

Enter value for fare_code: gu9k1

Enter value for amount: 500000

Enter value for restrictions: no smokeing

old 1: insert into fare values('&flight_number','&fare_code','&amount','&restrictions')

new 1: insert into fare values('14hk1','gu9k1','500000','no smokeing')

1 row created.

SQL> /

Enter value for flight_number: 9k0o1

Enter value for fare_code: go431

Enter value for amount: 700000

Enter value for restrictions: no alchol

old 1: insert into fare values('&flight_number','&fare_code','&amount','&restrictions')

new 1: insert into fare values('9k0o1','go431','700000','no alchol')

1 row created.

SQL> insert into airplane_type values('&airplane_type_name','&max_seats','&company');

Enter value for airplane_type_name: cargo

Enter value for max_seats: 200

Enter value for company: british

old 1: insert into airplane_type values('&airplane_type_name','&max_seats','&company')

new 1: insert into airplane_type values('cargo','200','british')

1 row created.

SQL> /

Enter value for airplane_type_name: kabali

Enter value for max_seats: 250

Enter value for company: air asia

old 1: insert into airplane_type values('&airplane_type_name','&max_seats','&company')

new 1: insert into airplane_type values('kabali','250','air asia')

1 row created.

SQL> /

Enter value for airplane_type_name: passenger

Enter value for max_seats: 300

Enter value for company: air india

old 1: insert into airplane_type values('&airplane_type_name','&max_seats','&company')

new 1: insert into airplane_type values('passenger','300','air india')

1 row created.

SQL> /

Enter value for airplane_type_name: big plane

Enter value for max_seats: 150

Enter value for company: malaysia

old 1: insert into airplane_type values('&airplane_type_name','&max_seats','&company')

new 1: insert into airplane_type values('big plane','150','malaysia')

1 row created.

SQL> /

Enter value for airplane_type_name: float plane

Enter value for max_seats: 300

Enter value for company: air asia

old 1: insert into airplane_type values('&airplane_type_name','&max_seats','&company')

new 1: insert into airplane_type values('float plane','300','air asia')

1 row created.

SQL> /

Enter value for airplane_type_name: high way

Enter value for max_seats: 400

Enter value for company: air india

old 1: insert into airplane_type values('&airplane_type_name','&max_seats','&company')

new 1: insert into airplane_type values('high way','400','air india')

1 row created.

SQL> /

Enter value for airplane_type_name: superfast

Enter value for max_seats: 350

Enter value for company: high wing

old 1: insert into airplane_type values('&airplane_type_name','&max_seats','&company')

new 1: insert into airplane_type values('superfast','350','high wing')

1 row created.

SQL> /

Enter value for airplane_type_name: low wing

Enter value for max_seats: 350

Enter value for company: high wing

old 1: insert into airplane_type values('&airplane_type_name','&max_seats','&company')

new 1: insert into airplane_type values('low wing','350','high wing')

1 row created.

SQL> /

Enter value for airplane_type_name: seat plane

Enter value for max_seats: 370

Enter value for company: cargo

old 1: insert into airplane_type values('&airplane_type_name','&max_seats','&company')

new 1: insert into airplane_type values('seat plane','370','cargo')

1 row created.

SQL> /

Enter value for airplane_type_name: regional

Enter value for max_seats: 400

Enter value for company: air india

old 1: insert into airplane_type values('&airplane_type_name','&max_seats','&company')

new 1: insert into airplane_type values('regional','400','air india')

1 row created.

```
SQL> insert into can_land values('&airplane_type_name','&airport_code');
```

Enter value for airplane_type_name: low wing

Enter value for airport_code: one

```
old 1: insert into can_land values('&airplane_type_name','&airport_code')
```

```
new 1: insert into can_land values('low wing','one')
```

1 row created.

```
SQL> /
```

Enter value for airplane_type_name: kabali

Enter value for airport_code: two

```
old 1: insert into can_land values('&airplane_type_name','&airport_code')
```

```
new 1: insert into can_land values('kabali','two')
```

1 row created.

```
SQL> /
```

Enter value for airplane_type_name: seat plane

Enter value for airport_code: three

```
old 1: insert into can_land values('&airplane_type_name','&airport_code')
```

```
new 1: insert into can_land values('seat plane','three')
```

1 row created

```
SQL> /
```

Enter value for airplane_type_name: cargo

Enter value for airport_code: four

old 1: insert into can_land values('&airplane_type_name','&airport_code')

new 1: insert into can_land values('cargo','four')

1 row created.

SQL> /

Enter value for airplane_type_name: passenger

Enter value for airport_code: five

old 1: insert into can_land values('&airplane_type_name','&airport_code')

new 1: insert into can_land values('passenger','five')

1 row created.

SQL> /

Enter value for airplane_type_name: big plane

Enter value for airport_code: six

old 1: insert into can_land values('&airplane_type_name','&airport_code')

new 1: insert into can_land values('big plane','six')

1 row created.

SQL> /

Enter value for airplane_type_name: float plane

Enter value for airport_code: seven

old 1: insert into can_land values('&airplane_type_name','&airport_code')

new 1: insert into can_land values('float plane','seven')

1 row created.

SQL> /

Enter value for airplane_type_name: high way

Enter value for airport_code: eight

old 1: insert into can_land values('&airplane_type_name','&airport_code')

new 1: insert into can_land values('high way','eight')

1 row created.

SQL> /

Enter value for airplane_type_name: superfast

Enter value for airport_code: nine

old 1: insert into can_land values('&airplane_type_name','&airport_code')

new 1: insert into can_land values('superfast','nine')

1 row created.

SQL> /

Enter value for airplane_type_name: regional

Enter value for airport_code: ten

old 1: insert into can_land values('&airplane_type_name','&airport_code')

new 1: insert into can_land values('regional','ten')

1 row created.

SQL> insert into airplane values('&airplane_id','&total_number_of_seats','&airplane_type');

Enter value for airplane_id: an045

Enter value for total_number_of_seats: 300

Enter value for airplane_type: cargo

old 1: insert into airplane values('&airplane_id','&total_number_of_seats','&airplane_type')

new 1: insert into airplane values('an045','300','cargo')

1 row created.

SQL> /

Enter value for airplane_id: ka039

Enter value for total_number_of_seats: 320

Enter value for airplane_type: kabali

old 1: insert into airplane values('&airplane_id','&total_number_of_seats','&airplane_type')

new 1: insert into airplane values('ka039','320','kabali')

1 row created.

SQL> /

Enter value for airplane_id: ta075

Enter value for total_number_of_seats: 400

Enter value for airplane_type: passenger

old 1: insert into airplane values('&airplane_id','&total_number_of_seats','&airplane_type')

new 1: insert into airplane values('ta075','400','passenger')

1 row created.

SQL> /

Enter value for airplane_id: de981

Enter value for total_number_of_seats: 330

Enter value for airplane_type: float plane

old 1: insert into airplane values('&airplane_id','&total_number_of_seats','&airplane_type')

new 1: insert into airplane values('de981','330','float plane')

1 row created.

SQL> /

Enter value for airplane_id: ke001

Enter value for total_number_of_seats: 250

Enter value for airplane_type: high way

old 1: insert into airplane values('&airplane_id','&total_number_of_seats','&airplane_type')

new 1: insert into airplane values('ke001','250','high way')

1 row created.

SQL> /

Enter value for airplane_id: kar43

Enter value for total_number_of_seats: 200

Enter value for airplane_type: superfast

old 1: insert into airplane values('&airplane_id','&total_number_of_seats','&airplane_type')

new 1: insert into airplane values('kar43','200','superfast')

1 row created.

SQL> /

Enter value for airplane_id: ta031

Enter value for total_number_of_seats: 250

Enter value for airplane_type: low wing

old 1: insert into airplane values('&airplane_id','&total_number_of_seats','&airplane_type')

new 1: insert into airplane values('ta031','250','low wing')

1 row created.

SQL> /

Enter value for airplane_id: ma391

Enter value for total_number_of_seats: 300

Enter value for airplane_type: seat plane

old 1: insert into airplane values('&airplane_id','&total_number_of_seats','&airplane_type')

new 1: insert into airplane values('ma391','300','seat plane')

1 row created.

SQL> /

Enter value for airplane_id: gu9k1

Enter value for total_number_of_seats: 230

Enter value for airplane_type: regional

old 1: insert into airplane values('&airplane_id','&total_number_of_seats','&airplane_type')

new 1: insert into airplane values('gu9k1','230','regional')

1 row created

SQL> insert into leg_instance

values('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time');

Enter value for flight_number: 1234i

Enter value for leg_number: 3

Enter value for dte: 1-jan-2017

Enter value for number_of_available_seats: 250

Enter value for airplane_id: ap100

Enter value for departure_airport_code: gia

Enter value for departure_time: 1-jan-2017,12:10:10

Enter value for arrival_airport_code: gia

Enter value for arrival_time: 2-jan-2017,01:10:30

old 1: insert into leg_instance

values('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')

new 1: insert into leg_instance values('1234i','3','1-jan-2017','250','ap100','gia','1-jan-2017,12:10:10','gia','2-jan-2017,01:10:30')

1 row created.

SQL> /

Enter value for flight_number: 5778s

Enter value for leg_number: 5

Enter value for dte: 4-may-2017

Enter value for number_of_available_seats: 300

Enter value for airplane_id: ap101

Enter value for departure_airport_code: fia

Enter value for departure_time: 4-may-2017,10:10:10

Enter value for arrival_airport_code: vij

Enter value for arrival_time: 5-may-2017,12:10:23

old 1: insert into leg_instance

values('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')

new 1: insert into leg_instance values('5778s','5','4-may-2017','300','ap101','fia','4-may-2017,10:10:10','vij','5-may-2017,12:10:23')

1 row created.

SQL> /

Enter value for flight_number: 1234r

Enter value for leg_number: 2

Enter value for dte: 7-may-2017

Enter value for number_of_available_seats: 320

Enter value for airplane_id: ap102

Enter value for departure_airport_code: dia

Enter value for departure_time: 7-may-2017,08:10:10

Enter value for arrival_airport_code: dia

Enter value for arrival_time: 7-may-2017,07:10:10

old 1: insert into leg_instance

values('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')

new 1: insert into leg_instance values('1234r','2','7-may-2017','320','ap102','dia','7-may-2017,08:10:10','dia','7-may-2017,07:10:10')

1 row created.

SQL> /

Enter value for flight_number: 5778d

Enter value for leg_number: 1

Enter value for dte: 8-may-2017

Enter value for number_of_available_seats: 350

Enter value for airplane_id: ap103

Enter value for departure_airport_code: da

Enter value for departure_time: 8-may-2017,10:12:40

Enter value for arrival_airport_code: kar

Enter value for arrival_time: 9-may-2017,08:10:10

old 1: insert into leg_instance

values('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')

new 1: insert into leg_instance values('5778d','1','8-may-2017','350','ap103','da','8-may-2017,10:12:40','kar','9-may-2017,08:10:10')

1 row created.

SQL> /

Enter value for flight_number:1254f

Enter value for leg_number: 4

Enter value for dte: 10-may-2017

Enter value for number_of_available_seats: 370

Enter value for airplane_id: ap104

Enter value for departure_airport_code: supa

Enter value for departure_time: 10-may-2017,12:10:01

Enter value for arrival_airport_code: ka

Enter value for arrival_time: 11-may-2017,08:12:10

old 1: insert into leg_instance

values('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')

new 1: insert into leg_instance values('1254f','4','10-may-2017','370','ap104','supa','10-may-2017,12:10:01','ka','11-may-2017,08:12:10')

1 row created.

SQL> /

Enter value for flight_number:57i24

Enter value for leg_number: 5

Enter value for dte: 11-may-2017

Enter value for number_of_available_seats: 400

Enter value for airplane_id: ap105

Enter value for departure_airport_code: kar

Enter value for departure_time: 11-may-2017

Enter value for arrival_airport_code: vij

Enter value for arrival_time:

old 1: insert into leg_instance

values('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')

new 1: insert into leg_instance values('57i24','5','11-may-2017','400','ap105','kar','11-may-2017','vij',')

1 row created.

SQL> /

Enter value for flight_number:9i001

Enter value for leg_number: 4

Enter value for dte: 13-may-2017

Enter value for number_of_available_seats: 380

Enter value for airplane_id: ap107

Enter value for departure_airport_code: da

Enter value for departure_time: 13-may-2017,12:10:10

Enter value for arrival_airport_code: supa

Enter value for arrival_time: 14-may-2017,10:10:10

old 1: insert into leg_instance

values('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')

new 1: insert into leg_instance values('9i001','4','13-may-2017','380','ap107','da','13-may-2017,12:10:10','supa','14-may-2017,10:10:10')

1 row created.

SQL> /

Enter value for flight_number:k1457

Enter value for leg_number: 7

Enter value for dte: 15-may-2017

Enter value for number_of_available_seats: 270

Enter value for airplane_id: ap107

Enter value for departure_airport_code: vij

Enter value for departure_time: 17-may-2017,07:07:57

Enter value for arrival_airport_code: che

Enter value for arrival_time: 17-may-2017,07:10:53

old 1: insert into leg_instance

values('&flight_number','&leg_number','&dte','&number_of_available_seats','&airplane_id','&departure_airport_code','&departure_time','&arrival_airport_code','&arrival_time')

new 1: insert into leg_instance values('k1457','7','15-may-2017','270','ap107','vij','17-may-2017,07:07:57','che','17-may-2017,07:10:53')

1 row created.


```
SQL> insert into seat_reservation  
values('&flight_number','&leg_number','&dte','&seat_number','&customer_name','&customer_phone');
```

Enter value for flight_number: 1234i

Enter value for leg_number: 1

Enter value for dte: 1-jan-2017

Enter value for seat_number: 30

Enter value for customer_name: rama

Enter value for customer_phone: 9100057235

```
old 1: insert into seat_reservation  
values('&flight_number','&leg_number','&dte','&seat_number','&customer_name','&customer_phone')
```

```
new 1: insert into seat_reservation values('1234i','1','1-jan-2017','30','rama','9100057235')
```

1 row created.

```
SQL> /
```

Enter value for flight_number:5778s

Enter value for leg_number: 2

Enter value for dte: 4-may-2017

Enter value for seat_number: 50

Enter value for customer_name: lakshmi

Enter value for customer_phone: 9003775719

```
old 1: insert into seat_reservation  
values('&flight_number','&leg_number','&dte','&seat_number','&customer_name','&customer_phone')
```

```
new 1: insert into seat_reservation values('5778s','2','4-may-2017','50','lakshmi','9003775719')
```

1 row created.

SQL> /

Enter value for flight_number: 1234r

Enter value for leg_number: 3

Enter value for dte: 7-may-2017

Enter value for seat_number: 70

Enter value for customer_name: krishna

Enter value for customer_phone: 9294705717

old 1: insert into seat_reservation

values('&flight_number','&leg_number','&dte','&seat_number','&customer_name','&customer_phone')

new 1: insert into seat_reservation values('1234r','3','7-may-2017','70','krishna','9294705717')

1 row created.

SQL> /

Enter value for flight_number:5778d

Enter value for leg_number: 4

Enter value for dte: 8-may-2017

Enter value for seat_number: 57

Enter value for customer_name: shiva

Enter value for customer_phone: 9445975970

old 1: insert into seat_reservation

values('&flight_number','&leg_number','&dte','&seat_number','&customer_name','&customer_phone')

new 1: insert into seat_reservation values('5778d','4','8-may-2017','57','shiva','9445975970')

1 row created.

SQL> /

Enter value for flight_number: 1254f

Enter value for leg_number: 7

Enter value for dte: 11-may-2017

Enter value for seat_number: 41

Enter value for customer_name: vishnu

Enter value for customer_phone: 9492107584

old 1: insert into seat_reservation

values('&flight_number','&leg_number','&dte','&seat_number','&customer_name','&customer_phone')

new 1: insert into seat_reservation values('1254f','7','11-may-2017','41','vishnu','9492107584')

1 row created.

SQL> /

Enter value for flight_number:57i24

Enter value for leg_number: 5

Enter value for dte: 10-may-2017

Enter value for seat_number: 80

Enter value for customer_name: 9985727594

Enter value for customer_phone:

old 1: insert into seat_reservation

values('&flight_number','&leg_number','&dte','&seat_number','&customer_name','&customer_phone')

```
new 1: insert into seat_reservation values('57i24','5','10-may-2017','80','9985727594','')
```

1 row created.

```
SQL> /
```

Enter value for flight_number: 9i001

Enter value for leg_number: 1

Enter value for dte: 13-may-2017

Enter value for seat_number: 75

Enter value for customer_name: parvathi

Enter value for customer_phone: 9441311311

```
old 1: insert into seat_reservation
```

```
values('&flight_number','&leg_number','&dte','&seat_number','&customer_name','&customer_phone')
```

```
new 1: insert into seat_reservation values('9i001','1','13-may-2017','75','parvathi','9441311311')
```

1 row created.

```
SQL> /
```

Enter value for flight_number: k1457

Enter value for leg_number: 2

Enter value for dte: 15-may-2017

Enter value for seat_number: 78

Enter value for customer_name: teju

Enter value for customer_phone: 9492589721

```
old 1: insert into seat_reservation
```

```
values('&flight_number','&leg_number','&dte','&seat_number','&customer_name','&customer_phone')
```

```
new 1: insert into seat_reservation values('k1457','2','15-may-2017','78','teju','9492589721')
```

1 row created.

C(1)

```
SQL> SELECT *FROM flight;
```

FLIGHT_NUMBER	AIRLINE	WEEKDAYS
---------------	---------	----------

1234i	jet	mon,wed,thu
5778s	air india	sat,mon,tue
1234r	indigo	mon,wed
5778d	spice jet	sat,wed,fri
1254f	vistara	sun,wed,fri
57i24	karntaka	wed,mon,sun
9i001	go air	thu,mon
k1457	british	sun,wed
14hk1	chennai	mon,tue,thu
9k0o1	air asia	wed,sat,sun

10 rows selected.

C(2)

```
SQL> SELECT airplane_id,airplane_type FROM airplane;
```

AIRPLANE_ID	AIRPLANE_TYPE
-------------	---------------

an045	cargo
ka039	kabali
ta075	passenger
de981	big plane
ke001	float plane
kar43	high way
ta031	superfast
ma391	low wing
gu9k1	seat plane
go431	regional

10 rows selected.

C(3)

```
SQL> SELECT name FROM airport WHERE name LIKE  
'K%'; no rows selected
```

C(4)

```
SQL> SELECT name FROM airport WHERE state IN('tamilnadu');
```

NAME

chennai

C(5)

SQL> SELECT *FROM seat_reservation WHERE customer_name IN('sita') AND dte='4-may-2017';

FLIGHT_NUMBER	LEG_NUMBER	DTE	SEAT_NUMBER
---------------	------------	-----	-------------

CUSTOMER_NAME	CUSTOMER_PHONE
---------------	----------------

5778s	2	04-MAY-17	50
-------	---	-----------	----

lakshmi	9003775719
---------	------------

C(7)

SQL> SELECT flight_number FROM flight WHERE WEEKDAYS
in('wed'); no rows selected

C(8)

SQL> SELECT *FROM flight_leg WHERE departure_airport_code='mys' AND arrival_airport_code='kar';

FLIGHT_NUMBER	LEG_NUMBER
---------------	------------

DEPARTURE_TIME

DEPARTURE_AIRPORT_CO ARRIVAL_AIRPORT_CODE

SCHEDULED_ARRIVAL_TIME

5778s 5

04-JUN-14 12.10.30.000000 PM

mys kar

05-JUN-14 12.11.50.000000 PM

C(9)

SQL> SELECT * FROM airport WHERE city NOT IN('CHENNAI');

AIRPORT_CODE NAME CITY

STATE

one sam guntur

andhra

two don mysore

karnataka

three agartala coimbatore

tamilnadu

AIRPORT_CODE	NAME	CITY
--------------	------	------

STATE

four faltus agra

delhi

five baru cochin

kerala

six sai bangalore

karnataka

AIRPORT_CODE	NAME	CITY
--------------	------	------

STATE

seven mani chennai

tamilnadu

eight sita pune

pune

nine lakshmi ahmedabad

gujarat

AIRPORT_CODE	NAME	CITY
--------------	------	------

STATE

ten jyothi goa

goa

10 rows selected.

C(11)

SQL> SELECT fare_code FROM fare WHERE amount BETWEEN '210000' AND '370000';

FARE_CODE

kar43

ta031

ma391

C(12)

SQL> SELECT company FROM airplane_type WHERE company like '%s%s%s';

no rows selected

C(14)

SQL> SELECT MAX('number_of_seats')FROM airplane;

MAX('NUMBER_OF_

number_of_seats

SQL> SELECT MAX('300')FROM airplane;

MAX

300

C(15)

```
SQL> SELECT flight_number,leg_number FROM leg_instance;
```

FLIGHT_NUMBER	LEG_NUMBER
---------------	------------

1234i	3
-------	---

5778s	5
-------	---

1234r	2
-------	---

5778d	1
-------	---

1254f	4
-------	---

57i24	5
-------	---

9i001	4
-------	---

k1457	7
-------	---

14hk1	8
-------	---

9k0o1	7
-------	---

8 rows selected.

C(17)

```
SQL> SELECT amount FROM fare WHERE flight_number='9i001';
```

AMOUNT

400000

2(2)

```
SQL> SELECT amount FROM fare;
```

AMOUNT

10000

15000

200000

250000

300000

350000

400000

450000

500000

700000

10 rows selected.

2(3)

```
SQL> alter table flight modify(airline varchar2(20) unique, weekdays varchar2(20) not  
null); alter table flight modify(airline varchar2(20) unique, weekdays varchar2(20) not null)
```

```
SQL> alter table flight modify(airline varchar2(20) unique);
```

Table altered.

2(5)

```
SQL> alter table flight modify(airline varchar2(40));
```

Table altered.

2(7)

```
SQL> alter table fare modify(amount decimal(10));
```

Table altered.

2(7)

```
SQL> alter table fare modify(restrictions varchar2(25));
```

Table altered.

2(8)

```
SQL> alter table airport add country varchar2(20);
```

Table altered.

2(9)

```
SQL> alter table seat_reservation add address varchar2(50);
```

Table altered.

2(10)

```
SQL> alter table seat_reservation drop column address;
```

Table altered.

3(1)

```
SQL> SELECT UPPER(airplane_type_name) FROM airplane_type;
```

```
UPPER(AIRPLANE_TYPE_
```

```
-----
```

```
BIG PLANE
```

```
CARGO
```

```
FLOAT PLANE
```

```
HIGH WAY
```

```
KABALI
```

```
LOW WING
```

```
PASSENGER
```

```
REGIONAL
```

```
SEAT PLANE
```

```
SUPERFAST
```

10 rows selected.

