# **Tables and Associated Data**

SQL> describe ticket

Name Null Type

---------------- -------- -----------

TIC\_ITINERARY\_NO NOT NULL NUMBER

TIC\_FLIGHT\_NO NOT NULL NUMBER

TIC\_FLIGHT\_DATE NOT NULL DATE

TIC\_SEAT VARCHAR2(3)

SQL> select \* from TICKET;

TIC\_ITINERARY\_NO TIC\_FLIGHT\_NO TIC\_FLIGHT\_DATE TIC

--------------------------------------- --------------------------------------- --------------- ---

1 15 01-APR-17 10D

1 329 01-APR-17 12D

2 15 01-APR-17 10E

2 329 10-APR-17 12E

3 101 15-JUL-17 3D

3 104 23-JUL-17 4D

4 101 15-JUL-17 3C

4 104 23-JUL-17 4C

5 101 15-JUL-17 3B

5 104 20-JUL-17 4B

6 101 18-APR-17 10A

6 104 23-JUL-17 8B

7 101 18-APR-17 10B

7 104 30-JUL-17 8C

8 101 18-APR-17 10C

8 104 23-JUL-17 8D

9 606 27-APR-17 12B

9 691 08-JUL-17 12A

10 606 20-APR-17 12C

11 606 17-MAY-17 12B

11 691 19-MAY-17 13B

12 102 18-APR-17 10B

12 103 19-APR-17 7B

13 102 18-APR-17 7C

13 103 23-APR-17 3C

25 rows selected

SQL> describe passenger

Name Null Type

---------------- -------- ------------

PAS\_NAME VARCHAR2(20)

PAS\_ITINERARY\_NO NOT NULL NUMBER

PAS\_FARE NUMBER

PAS\_CONFIRM\_NO NUMBER

SQL> select \* from PASSENGER;

PAS\_NAME PAS\_ITINERARY\_NO PAS\_FARE PAS\_CONFIRM\_NO

-------------------- --------------------------------------- ---------- ---------------------------------------

Ole Olson 1 410 1

Lena Olson 2 98 1

Pete Peterson 3 315 2

Hazel Peterson 4 315 2

David Peterson 5 315 2

Swen Swenson 6 345 3

Olga Swenson 7 315 3

Pete Swenson 8 409 3

Andy Anderson 9 436 4

Gloria Anderson 10 436 4

Torgie Torgenson 11 578.5 5

Andy Anderson 12 560 6

Gloria Anderson 13 312 6

13 rows selected

SQL> describe reservation

Name Null Type

--------------- -------- ------------

RES\_CONFIRM\_NO NOT NULL NUMBER

RES\_DATE DATE

RES\_NAME VARCHAR2(20)

RES\_PHONE VARCHAR2(10)

RES\_FLIGHT\_NO NUMBER

RES\_FLIGHT\_DATE DATE

SQL> select \* from RESERVATION;

RES\_CONFIRM\_NO RES\_DATE RES\_NAME RES\_PHONE RES\_FLIGHT\_NO RES\_FLIGHT\_DATE

--------------------------------------- --------- -------------------- ---------- --------------------------------------- ---------------

1 01-APR-17 Ole Olson 2186942221 15 01-APR-17

2 01-APR-17 Pete Peterson 2186943000 101 15-JUL-17

3 01-APR-17 Swen Swenson 2186948822 101 18-APR-17

4 11-APR-17 Andy Anderson 6025233510 606 21-APR-17

5 17-APR-17 Torgie Torgenson 2082223333 606 17-MAY-17

6 17-APR-17 Andy Anderson 6025233510 102 18-APR-17

6 rows selected

SQL> describe departures

Name Null Type

------------- -------- -----------

DEP\_FLIGHT\_NO NOT NULL NUMBER

DEP\_DEP\_DATE NOT NULL DATE

DEP\_PILOT\_ID VARCHAR2(3)

DEP\_EQUIP\_NO NUMBER

SQL> select \* from DEPARTURES;

DEP\_FLIGHT\_NO DEP\_DEP\_DATE DEP DEP\_EQUIP\_NO

--------------------------------------- ------------ --- ---------------------------------------

15 01-APR-17 WRP 1026

15 28-JUN-17 WRP 1026

15 20-AUG-17 WRP 1026

40 28-JUN-17 SL 1081

40 29-JUN-17 SL 1081

40 20-AUG-17 SL 1081

40 21-AUG-17 SL 1081

40 21-SEP-17 SL 1081

40 22-SEP-17 SL 1081

40 23-SEP-17 SL 1081

40 29-SEP-17 SL 1081

60 19-APR-17 ELL 1194

60 04-JUN-17 ELL 1194

60 05-JUN-17 ELL 1194

60 08-JUN-17 ELL 1194

60 10-JUN-17 ELL 1194

60 20-JUN-17 ELL 1194

60 21-JUN-17 ELL 1194

60 29-JUL-17 ELL 1194

60 24-AUG-17 ELL 1194

60 25-SEP-17 ELL 1194

101 18-APR-17 KCH 1253

101 15-JUL-17 KCH 1253

101 29-SEP-17 KCH 1253

102 02-APR-17 KCH 1253

102 18-APR-17 KCH 1253

102 21-APR-17 KCH 1253

102 25-APR-17 KCH 1253

102 01-MAY-17 KCH 1253

102 18-MAY-17 KCH 1253

102 21-JUN-17 KCH 1253

102 24-AUG-17 KCH 1253

102 25-AUG-17 KCH 1253

103 02-APR-17 KCH 1253

103 19-APR-17 KCH 1253

103 21-APR-17 KCH 1253

103 22-APR-17 KCH 1253

103 23-APR-17 KCH 1253

103 29-APR-17 KCH 1253

103 05-MAY-17 KCH 1253

103 18-MAY-17 KCH 1253

103 21-JUN-17 KCH 1253

103 26-AUG-17 KCH 1253

103 28-AUG-17 KCH 1253

103 29-AUG-17 KCH 1253

104 13-MAY-17 KCH 1253

104 25-MAY-17 KCH 1253

104 02-JUN-17 KCH 1253

104 20-JUL-17 KCH 1253

104 23-JUL-17 KCH 1253

104 30-JUL-17 KCH 1253

104 26-SEP-17 KCH 1253

329 01-APR-17 WRP 1026

329 10-APR-17 WRP 1026

329 20-JUN-17 WRP 1026

329 23-AUG-17 WRP 1026

329 24-AUG-17 WRP 1026

329 25-AUG-17 WRP 1026

329 27-AUG-17 WRP 1026

329 28-AUG-17 WRP 1026

329 22-SEP-17 WRP 1026

400 20-AUG-17 SL 1081

400 21-AUG-17 SL 1081

400 23-AUG-17 SL 1081

400 28-AUG-17 SL 1081

400 21-SEP-17 SL 1081

400 23-SEP-17 SL 1081

400 25-SEP-17 SL 1081

500 02-JUN-17 RS 1368

500 18-JUN-17 RS 1368

500 01-SEP-17 RS 1368

501 05-JUN-17 RS 1368

501 07-JUN-17 RS 1368

501 22-JUN-17 RS 1368

501 29-JUN-17 RS 1368

501 08-SEP-17 RS 1368

501 09-SEP-17 RS 1368

503 28-APR-17 ELG 1489

503 29-APR-17 ELG 1489

503 23-JUL-17 ELG 1489

503 27-JUL-17 ELG 1489

503 29-JUL-17 ELG 1489

503 30-JUL-17 ELG 1489

518 29-APR-17 CG 1345

518 30-APR-17 CG 1345

518 30-MAY-17 CG 1345

518 28-JUN-17 CG 1345

518 29-JUN-17 CG 1345

518 29-SEP-17 CG 1345

521 21-APR-17 CG 1085

521 19-JUL-17 CG 1085

521 20-JUL-17 CG 1085

600 17-APR-17 WRP 1347

600 25-APR-17 WRP 1347

600 21-JUN-17 WRP 1347

600 16-JUL-17 WRP 1347

600 26-AUG-17 WRP 1347

600 25-SEP-17 WRP 1347

604 22-APR-17 CG 1345

604 24-APR-17 CG 1345

604 30-APR-17 CG 1345

604 25-AUG-17 CG 1345

604 22-SEP-17 CG 1345

606 20-APR-17 SL 1081

606 21-APR-17 SL 1081

606 25-APR-17 SL 1081

606 27-APR-17 SL 1081

606 17-MAY-17 SL 1081

606 21-JUN-17 SL 1081

606 15-JUL-17 SL 1081

691 24-APR-17 WRP 1347

691 29-APR-17 WRP 1347

691 13-MAY-17 WRP 1347

691 19-MAY-17 WRP 1347

691 02-JUN-17 WRP 1347

691 28-JUN-17 WRP 1347

691 19-JUL-17 WRP 1347

691 20-JUL-17 WRP 1347

691 23-JUL-17 WRP 1347

691 22-SEP-17 WRP 1347

723 22-APR-17 CG 1085

723 23-APR-17 CG 1085

723 24-APR-17 CG 1085

723 25-APR-17 CG 1085

723 20-JUL-17 CG 1085

723 21-JUL-17 CG 1085

723 26-JUL-17 CG 1085

723 29-JUL-17 CG 1085

1260 18-APR-17 SL 1081

1260 19-APR-17 SL 1081

1260 22-APR-17 SL 1081

1260 29-APR-17 SL 1081

1260 27-JUN-17 SL 1081

1260 23-JUL-17 SL 1081

1260 28-AUG-17 SL 1081

1260 29-AUG-17 SL 1081

1260 01-SEP-17 SL 1081

1260 28-SEP-17 SL 1081

1260 29-SEP-17 SL 1081

15 08-APR-17 WRP 1026

15 08-JUL-17 WRP 1026

15 08-AUG-17 WRP 1026

15 08-SEP-17 WRP 1026

40 08-APR-17 SL 1081

40 08-JUL-17 SL 1081

40 08-AUG-17 SL 1081

40 08-SEP-17 SL 1081

59 08-APR-17 ELL 1194

59 08-JUL-17 ELL 1194

59 08-AUG-17 ELL 1194

59 08-SEP-17 ELL 1194

60 08-APR-17 ELL 1194

60 08-JUL-17 ELL 1194

60 08-AUG-17 ELL 1194

60 08-SEP-17 ELL 1194

101 08-APR-17 KCH 1253

101 08-JUL-17 KCH 1253

101 08-AUG-17 KCH 1253

101 08-SEP-17 KCH 1253

102 08-APR-17 KCH 1253

102 08-JUL-17 KCH 1253

102 08-AUG-17 KCH 1253

102 08-SEP-17 KCH 1253

103 08-APR-17 KCH 1253

103 08-JUL-17 KCH 1253

103 08-AUG-17 KCH 1253

103 08-SEP-17 KCH 1253

104 08-APR-17 KCH 1253

104 08-JUL-17 KCH 1253

104 08-AUG-17 KCH 1253

104 08-SEP-17 KCH 1253

329 08-APR-17 WRP 1026

329 08-JUL-17 WRP 1026

329 08-AUG-17 WRP 1026

329 08-SEP-17 WRP 1026

400 08-APR-17 SL 1081

400 08-JUL-17 SL 1081

400 08-AUG-17 SL 1081

400 08-SEP-17 SL 1081

500 08-APR-17 RS 1368

500 08-JUL-17 RS 1368

500 08-AUG-17 RS 1368

500 08-SEP-17 RS 1368

501 08-APR-17 RS 1368

501 08-JUL-17 RS 1368

501 08-AUG-17 RS 1368

502 08-APR-17 ELG 1489

502 08-JUL-17 ELG 1489

502 08-AUG-17 ELG 1489

502 08-SEP-17 ELG 1489

503 08-APR-17 ELG 1489

503 08-JUL-17 ELG 1489

503 08-AUG-17 ELG 1489

503 08-SEP-17 ELG 1489

518 08-APR-17 CG 1345

518 08-JUL-17 CG 1345

518 08-AUG-17 CG 1345

518 08-SEP-17 CG 1345

521 08-APR-17 CG 1085

521 08-JUL-17 CG 1085

521 08-AUG-17 CG 1085

521 08-SEP-17 CG 1085

600 08-APR-17 WRP 1347

600 08-JUL-17 WRP 1347

600 08-AUG-17 WRP 1347

600 08-SEP-17 WRP 1347

604 08-APR-17 CG 1345

604 08-JUL-17 CG 1345

604 08-AUG-17 CG 1345

604 08-SEP-17 CG 1345

606 08-APR-17 SL 1081

606 08-JUL-17 SL 1081

606 08-AUG-17 SL 1081

606 08-SEP-17 SL 1081

691 08-APR-17 WRP 1347

691 08-JUL-17 WRP 1347

691 08-AUG-17 WRP 1347

691 08-SEP-17 WRP 1347

723 08-APR-17 CG 1085

723 08-JUL-17 CG 1085

723 08-AUG-17 CG 1085

723 08-SEP-17 CG 1085

1260 08-APR-17 SL 1081

1260 08-JUL-17 SL 1081

1260 08-AUG-17 SL 1081

1260 08-SEP-17 SL 1081

226 rows selected

SQL> describe equip\_type

Name Null Type

---------------- -------- ------------

EQ\_EQUIP\_NO NOT NULL NUMBER

EQ\_EQUIP\_TYPE VARCHAR2(10)

EQ\_SEAT\_CAPACITY NUMBER

EQ\_FUEL\_CAPACITY NUMBER

EQ\_MILES\_PER\_GAL NUMBER(5,2)

SQL> select \* from EQUIP\_TYPE;

EQ\_EQUIP\_NO EQ\_EQUIP\_T EQ\_SEAT\_CAPACITY EQ\_FUEL\_CAPACITY EQ\_MILES\_PER\_GAL

--------------------------------------- ---------- --------------------------------------- --------------------------------------- ----------------

1026 BOE 727 188 1882 3.4

1194 DC 7 282 2340 3.8

1080 BOE 727 188 1882 3.4

1368 DC 7 282 2340 3.8

1081 BOE 727 188 1882 3.4

1345 BOE 737 270 2150 4.1

1253 BOE 747 480 2800 3.6

1489 CONCORDE 350 2750 3.1

1347 BOE 737 270 2150 4.1

1082 BOE 727 188 1882 3.4

1346 BOE 737 270 2150 4.1

1083 BOE 727 188 1882 3.4

1084 BOE 727 188 1882 3.4

1085 BOE 727 188 1882 3.4

14 rows selected

SQL> describe pilots

Name Null Type

-------------- -------- ------------

PIL\_PILOT\_ID NOT NULL VARCHAR2(3)

PIL\_PILOTNAME VARCHAR2(30)

PIL\_SSN VARCHAR2(9)

PIL\_STREET VARCHAR2(20)

PIL\_CITY VARCHAR2(12)

PIL\_STATE VARCHAR2(2)

PIL\_ZIP VARCHAR2(5)

PIL\_FLIGHT\_PAY NUMBER(4)

PIL\_BRTHDATE DATE

PIL\_HIREDATE DATE

SQL> select \* from pilots;

PIL PIL\_PILOTNAME PIL\_SSN PIL\_STREET PIL\_CITY PI PIL\_Z PIL\_FLIGHT\_PAY PIL\_BRTHDATE PIL\_HIREDATE

--- ------------------------------ --------- -------------------- ------------ -- ----- -------------- ------------ ------------

WRP Pasewark, William B. 523451784 64 RHODA AVENUE PHOENIX AZ 84326 2500 02-JUL-58 23-JUL-93

ELL Leiss, Ernst L. 234783222 91 BEVERLY HILL RD FLAGSTAFF AZ 85120 2640 12-SEP-53 21-JAN-90

SSM Moore, Sharon S. 452127055 44 THORNHILL TRAIL LOS ANGELES CA 92300 3000 03-SEP-52 20-DEC-89

RS Scamell, Richard 452094673 1500 EAST RIVERSIDE CUPERTINO CA 94212 560 13-FEB-13 20-MAY-95

SL Long, Stuart 148434500 3722 GEORGETOWN DALLAS TX 75090 3000 12-OCT-50 03-JUN-91

CG Gladchuk, Chet 210453278 519 TALL OAKS DRIVE HOUSTON TX 77024 3150 03-JUN-51 28-FEB-93

KCH Harris, Kenneth C. 211463278 519 GREEN OAKS DRIVE HOUSTON TX 77004 3150 03-JUN-70 28-MAY-93

VIT Tabor, Victor T. 234651322 891 BARONSHIRE FLAGSTAFF AZ 85120 2640 12-SEP-73 21-JAN-98

ELG Green, Edward L. 234781000 9211 CANYON HILL RD FLAGSTAFF AZ 85120 2640 12-SEP-63 21-JAN-89

9 rows selected

SQL> describe flight

Name Null Type

------------- -------- -----------

FL\_FLIGHT\_NO NOT NULL NUMBER(6)

FL\_ORIG VARCHAR2(3)

FL\_DEST VARCHAR2(3)

FL\_ORIG\_TIME DATE

FL\_DEST\_TIME DATE

FL\_MEAL CHAR(1)

FL\_FARE NUMBER

FL\_DISTANCE NUMBER

FL\_TIME\_ZONES NUMBER

SQL> select \* from flight;

FL\_FLIGHT\_NO FL\_ FL\_ FL\_ORIG\_TIME FL\_DEST\_TIME F FL\_FARE FL\_DISTANCE FL\_TIME\_ZONES

------------ --- --- ------------ ------------ - ---------- --------------------------------------- ---------------------------------------

101 FLG PHX 01-JAN-18 01-JAN-18 S 48.5 200 0

102 PHX MSP 01-JAN-18 01-JAN-18 L 156 1000 1

103 MSP PHX 01-JAN-18 01-JAN-18 D 156 1000 -1

104 PHX FLG 01-JAN-18 01-JAN-18 S 48.5 200 0

15 PHX LAX 01-JAN-18 01-JAN-18 B 49 400 -1

329 LAX PHX 01-JAN-18 01-JAN-18 49 400 1

40 PHX LAX 01-JAN-18 01-JAN-18 49 400 -1

400 LAX PHX 01-JAN-18 01-JAN-18 49 400 1

600 PHX SFO 01-JAN-18 01-JAN-18 B 109 750 -1

604 PHX SFO 01-JAN-18 01-JAN-18 B 109 750 -1

606 PHX SFO 01-JAN-18 01-JAN-18 L 109 750 -1

198 LAX SFO 01-JAN-18 01-JAN-18 69 400 1

298 PHX LAX 01-JAN-18 01-JAN-18 39 400 -1

60 PHX SFO 01-JAN-18 01-JAN-18 S 139 750 -1

59 SFO PHX 01-JAN-18 01-JAN-18 S 149 750 1

691 SFO PHX 01-JAN-18 01-JAN-18 109 750 1

518 SFO PHX 01-JAN-18 01-JAN-18 109 750 1

1260 SFO PHX 01-JAN-18 01-JAN-18 D 109 750 1

500 IAH DFW 01-JAN-18 01-JAN-18 79 250 0

501 DFW IAH 01-JAN-18 01-JAN-18 79 250 0

502 IAH JFK 01-JAN-18 01-JAN-18 B 289 1200 -1

503 JFK IAH 01-JAN-18 01-JAN-18 S 289 1200 1

521 IAH DTW 01-JAN-18 01-JAN-18 L 218 1000 0

723 DTW JFK 01-JAN-18 01-JAN-18 S 189 1000 1

24 rows selected

SQL> describe airport

Name Null Type

--------------- -------- ------------

AIR\_CODE NOT NULL VARCHAR2(3)

AIR\_LOCATION VARCHAR2(20)

AIR\_ELEVATION NUMBER

AIR\_PHONE VARCHAR2(10)

AIR\_HUB\_AIRLINE VARCHAR2(20)

SQL> select \* from airport;

AIR AIR\_LOCATION AIR\_ELEVATION AIR\_PHONE AIR\_HUB\_AIRLINE

--- -------------------- --------------------------------------- ---------- --------------------

FLG Flagstaff, AZ 6920 6027741897

PHX Phoenix, AZ 1257 6025831971 Air West

MSP Minneapolis, MN 862 6123782910 Northwest

LAX Los Angeles, CA 37 3102731846

SFO San Francisco, CA 78 4158392371

IAH Houston, TX 5 2816642000 Continental

DFW Dallas, TX 210 2146218044 American

JFK New York, NY 43 2106732145 United

DTW Detroit, MI 23 4158219000 American

OIA Orlando, FL 20 5183240912 TWA

MIA Miami, FL 16 7175203400 Grand Cayman

11 rows selected