**CREATBL.SQL**

CREATE TABLE PILOT(

EMP\_NUM INTEGER NULL,

PIL\_LICENSE VARCHAR(5) NULL,

PIL\_RATINGS VARCHAR(55) NULL,

PIL\_MED\_TYPE INTEGER NULL,

PIL\_MED\_DATE VARCHAR(11) NULL,

FT135\_DATE VARCHAR(11) NULL);

CREATE TABLE EMPLOYEE(

EMP\_NUM INTEGER NULL,

EMP\_TITLE VARCHAR(5) NULL,

EMP\_LNAME VARCHAR(25) NULL,

EMP\_FNAME VARCHAR(25) NULL,

EMP\_INTIAL VARCHAR(4) NULL,

EMP\_DOB DATE,

EMP\_HIRE\_DATE DATE);

CREATE TABLE CUSTOMER(

CUS\_CODE INTEGER,

CUS\_LNAME VARCHAR(25),

CUS\_FNAME VARCHAR(25),

CUS\_INTIAL VARCHAR(4),

CUS\_AREACODE INTEGER NULL,

CUS\_PHONE VARCHAR(8) NULL,

CUS\_BALANCE FLOAT(2) NULL);

**LOADTBL.SQL**

INSERT INTO PILOT VALUES('101','ATP','ATP/SEL/MEL/Instr/CFII','1','20-Jan-12','11-Jan-12');

INSERT INTO PILOT VALUES('104','ATP','ATP/SEL/MEL/Instr','1','20-Jan-11','17-Jan-12');

INSERT INTO PILOT VALUES('105','COM','COMM/SEL/MEL/Instr/CFI','2','05-Jan-12','2-Jan-12');

INSERT INTO PILOT VALUES('106','COM','COMM/SEL/MEL/Instr','1','10-Dec-11','02-Feb-12');

INSERT INTO PILOT VALUES('109','COM','ATP/SEL/MEL/SES/Instr/CFI','1','22-Jan-12','15-Jan-12');

INSERT INTO EMPLOYEE VALUES('100','Mr.','Kalmycz','George','D','15-Jun-42','15-MAR-88');

INSERT INTO EMPLOYEE VALUES('101','MS.','Lewis','Rhonda','G','19-Mar-65','25-Apr-88');

INSERT INTO EMPLOYEE VALUES('102','Mr.','Vsndam','Rhett','','14-Nov-58','18-May-93');

INSERT INTO EMPLOYEE VALUES('103','Ms.','Jones','Anne','M','11-May-74','26-Jul-99');

INSERT INTO EMPLOYEE VALUES('104','MR.','Lange','John','P','12-Jul-71','20-Aug-90');

INSERT INTO EMPLOYEE VALUES('105','Mr.','Williams','Robert','D','14-Mar-75','19-Jun-03');

INSERT INTO EMPLOYEE VALUES('106','Mrs.','Duzak','Jeanine','K','12-Feb-68','13-Mar-89');

INSERT INTO EMPLOYEE VALUES('107','Mr.','Diante','Jorge','D','1-May-75','2-Jul-97');

INSERT INTO EMPLOYEE VALUES('108','Mr.','Wiesenbach','Paul','R','14-Feb-66','03-Jun-93');

INSERT INTO EMPLOYEE VALUES('109','Ms.','Travis','Elizabeth','K','18-Jun-61','14-Feb-06');

INSERT INTO EMPLOYEE VALUES('110','Mrs.','Genkazi','Leigala','W','19-May-70','29-Jun-90');

INSERT INTO CUSTOMER VALUES('10010','Ramas','Alfred','A','615','844-2573','0');

INSERT INTO CUSTOMER VALUES('10011','Dunna','Leona','K','713','894-1238','0');

INSERT INTO CUSTOMER VALUES('10012','Smith','Kathy','W','815','894-2285','896.54');

INSERT INTO CUSTOMER VALUES('10013','Olowski','Paul','F','615','894-2180','1285.19');

INSERT INTO CUSTOMER VALUES('10014','Orlando','Myron','','615','222-1672','673.21');

INSERT INTO CUSTOMER VALUES('10015','OBrian','Amy','B','713','442-3381','1014.56');

INSERT INTO CUSTOMER VALUES('10016','Brown','James','G','615','297-1226','0');

INSERT INTO CUSTOMER VALUES('10017','Williams','George','','615','290-2556','0');

INSERT INTO CUSTOMER VALUES('10018','Fames','Annie','G','713','362-7185','0');

INSERT INTO CUSTOMER VALUES('10019','Smith','Olette','k','615','297-3809','453.98');

**DROPTABLE.SQL**

DROP TABLE PILOT;

DROP TABLE EMPLOYEE;

DROP TABLE CUSTOMER;

**oracle output**

CREATBL.SQL creates tables PILOT, EMPLOYEE, and CUSTOMER

[121][~] $ cat prgrm1.txt

SQL> start CREATBL.SQL

Table created.

Table created.

Table created.

SQL> start LOADTBL.SQL

LOADTBL.SQL creates the rows for all tables populated with the provided information

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

Rows created with LOADTBL.SQL

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

SQL> describe PILOT

Name Null? Type

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

EMP\_NUM NUMBER(38)

PIL\_LICENSE VARCHAR2(5)

PIL\_RATINGS VARCHAR2(55)

PIL\_MED\_TYPE NUMBER(38)

PIL\_MED\_DATE VARCHAR2(11)

FT135\_DATE VARCHAR2(11)

SQL> describe EMPLOYEE

Name Null? Type

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

EMP\_NUM NUMBER(38)

EMP\_TITLE VARCHAR2(5)

EMP\_LNAME VARCHAR2(25)

EMP\_FNAME VARCHAR2(25)

EMP\_INTIAL VARCHAR2(4)

EMP\_DOB DATE

EMP\_HIRE\_DATE DATE

SQL> describe CUSTOMER

Name Null? Type

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

CUS\_CODE NUMBER(38)

CUS\_LNAME VARCHAR2(25)

CUS\_FNAME VARCHAR2(25)

CUS\_INTIAL VARCHAR2(4)

CUS\_AREACODE NUMBER(38)

CUS\_PHONE VARCHAR2(8)

CUS\_BALANCE FLOAT(2)

SQL> SELECT \* FROM PILOT;

Selects and displays en*tire* PILOT table

EMP\_NUM PIL\_L PIL\_RATINGS

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

PIL\_MED\_TYPE PIL\_MED\_DAT FT135\_DATE

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

101 ATP ATP/SEL/MEL/Instr/CFII

1 20-Jan-12 11-Jan-12

104 ATP ATP/SEL/MEL/Instr

1 20-Jan-11 17-Jan-12

105 COM COMM/SEL/MEL/Instr/CFI

2 05-Jan-12 2-Jan-12

EMP\_NUM PIL\_L PIL\_RATINGS

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

PIL\_MED\_TYPE PIL\_MED\_DAT FT135\_DATE

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

106 COM COMM/SEL/MEL/Instr

1 10-Dec-11 02-Feb-12

109 COM ATP/SEL/MEL/SES/Instr/CFI

1 22-Jan-12 15-Jan-12

Selects from PILOT the entire row in which the EMP\_NUM = 109

SQL> SELECT \* FROM PILOT

2 WHERE EMP\_NUM ='109';

EMP\_NUM PIL\_L PIL\_RATINGS

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

PIL\_MED\_TYPE PIL\_MED\_DAT FT135\_DATE

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

109 COM ATP/SEL/MEL/SES/Instr/CFI

1 22-Jan-12 15-Jan-12

SQL> SELECT \* FROM EMPLOYEE

Selects from EMPLOYEE the entire row that contains MS as the EMP\_TITLE

2 WHERE EMP\_TITLE = 'Ms.';

EMP\_NUM EMP\_T EMP\_LNAME EMP\_FNAME EMP\_

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

EMP\_DOB EMP\_HIRE\_

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

103 Ms. Jones Anne M

11-MAY-74 26-JUL-99

109 Ms. Travis Elizabeth K

18-JUN-61 14-FEB-06

Selects every row from the EMPLOYEE table

SQL> SELECT \* FROM EMPLOYEE;

EMP\_NUM EMP\_T EMP\_LNAME EMP\_FNAME EMP\_

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

EMP\_DOB EMP\_HIRE\_

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

100 Mr. Kalmycz George D

15-JUN-42 15-MAR-88

101 MS. Lewis Rhonda G

19-MAR-65 25-APR-88

102 Mr. Vandam Rhett

14-NOV-58 18-MAY-93

EMP\_NUM EMP\_T EMP\_LNAME EMP\_FNAME EMP\_

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

EMP\_DOB EMP\_HIRE\_

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

103 Ms. Jones Anne M

11-MAY-74 26-JUL-99

104 MR. Lange John P

12-JUL-71 20-AUG-90

105 Mr. Williams Robert D

14-MAR-75 19-JUN-03

EMP\_NUM EMP\_T EMP\_LNAME EMP\_FNAME EMP\_

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

EMP\_DOB EMP\_HIRE\_

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

106 Mrs. Duzak Jeanine K

12-FEB-68 13-MAR-89

107 Mr. Diante Jorge D

01-MAY-75 02-JUL-97

108 Mr. Wiesenbach Paul R

14-FEB-66 03-JUN-93

EMP\_NUM EMP\_T EMP\_LNAME EMP\_FNAME EMP\_

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

EMP\_DOB EMP\_HIRE\_

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

109 Ms. Travis Elizabeth K

18-JUN-61 14-FEB-06

110 Mrs. Genkazi Leigala W

19-MAY-70 29-JUN-90

Selects from customer the entire rows in which the CUS\_INITIAL =K

11 rows selected.

SQL> SELECT \* FROM CUSTOMER

2 WHERE CUS\_INTIAL='K';

CUS\_CODE CUS\_LNAME CUS\_FNAME CUS\_ CUS\_AREACODE

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

CUS\_PHON CUS\_BALANCE

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

10011 Dunna Leona K 713

894-1238 0

SQL> INSERT INTO PILOT VALUES('111','ATP','COMM/SEL/MEL/Instr/CFI','2','05-JUN-11','13-JAN-12');

1 row created.

SQL> INSERT INTO PILOT VALUES('112','COM','COMM/SEL/MEL/Instr/CFII','1','12-JUN-11','13-JAN-12');

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES('113','Mr.','Davis','Michael','K','08-nov-53','10-oct-10');

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES('114','Mrs.','Payton','Lela','M','25-feb-57','10-sep-10');

1 row created.

SQL> INSERT INTO CUSTOMER VALUES('10020','Rivers','Jarrett','R','773','555-1212','0');

1 row created.

SQL> INSERT INTO CUSTOMER VALUES('10021','Rivers','Tamara','L','773','555-1213','0');

1 row created.

SQL> SELECT \* FROM PILOT;

EMP\_NUM PIL\_L PIL\_RATINGS

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

PIL\_MED\_TYPE PIL\_MED\_DAT FT135\_DATE

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

101 ATP ATP/SEL/MEL/Instr/CFII

1 20-Jan-12 11-Jan-12

104 ATP ATP/SEL/MEL/Instr

1 20-Jan-11 17-Jan-12

105 COM COMM/SEL/MEL/Instr/CFI

2 05-Jan-12 2-Jan-12

EMP\_NUM PIL\_L PIL\_RATINGS

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

PIL\_MED\_TYPE PIL\_MED\_DAT FT135\_DATE

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

106 COM COMM/SEL/MEL/Instr

Two rows inserted into PILOT

1 10-Dec-11 02-Feb-12

109 COM ATP/SEL/MEL/SES/Instr/CFI

1 22-Jan-12 15-Jan-12

111 ATP COMM/SEL/MEL/Instr/CFI

2 05-JUN-11 13-JAN-12

EMP\_NUM PIL\_L PIL\_RATINGS

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

PIL\_MED\_TYPE PIL\_MED\_DAT FT135\_DATE

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

112 COM COMM/SEL/MEL/Instr/CFII

1 12-JUN-11 13-JAN-12

7 rows selected.

SQL> SELECT \* FROM EMPLOYEE;

EMP\_NUM EMP\_T EMP\_LNAME EMP\_FNAME EMP\_

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

EMP\_DOB EMP\_HIRE\_

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

100 Mr. Kalmycz George D

15-JUN-42 15-MAR-88

101 MS. Lewis Rhonda G

19-MAR-65 25-APR-88

102 Mr. Vsndam Rhett

14-NOV-58 18-MAY-93

EMP\_NUM EMP\_T EMP\_LNAME EMP\_FNAME EMP\_

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

EMP\_DOB EMP\_HIRE\_

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

103 Ms. Jones Anne M

11-MAY-74 26-JUL-99

104 MR. Lange John P

12-JUL-71 20-AUG-90

105 Mr. Williams Robert D

14-MAR-75 19-JUN-03

EMP\_NUM EMP\_T EMP\_LNAME EMP\_FNAME EMP\_

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

EMP\_DOB EMP\_HIRE\_

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

106 Mrs. Duzak Jeanine K

12-FEB-68 13-MAR-89

107 Mr. Diante Jorge D

01-MAY-75 02-JUL-97

108 Mr. Wiesenbach Paul R

14-FEB-66 03-JUN-93

EMP\_NUM EMP\_T EMP\_LNAME EMP\_FNAME EMP\_

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

EMP\_DOB EMP\_HIRE\_

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

109 Ms. Travis Elizabeth K

18-JUN-61 14-FEB-06

Two rows inserted into EMPLOYEE

110 Mrs. Genkazi Leigala W

19-MAY-70 29-JUN-90

113 Mr. Davis Michael K

08-NOV-53 10-OCT-10

EMP\_NUM EMP\_T EMP\_LNAME EMP\_FNAME EMP\_

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

EMP\_DOB EMP\_HIRE\_

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

114 Mrs. Payton Lela M

25-FEB-57 10-SEP-10

13 rows selected.

SQL> SELECT \* from CUSTOMER;

CUS\_CODE CUS\_LNAME CUS\_FNAME CUS\_ CUS\_AREACODE

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

CUS\_PHON CUS\_BALANCE

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

10010 Ramas Alfred A 615

844-2573 0

10011 Dunna Leona K 713

894-1238 0

10012 Smith Kathy W 815

894-2285 900

CUS\_CODE CUS\_LNAME CUS\_FNAME CUS\_ CUS\_AREACODE

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

CUS\_PHON CUS\_BALANCE

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

10013 Olowski Paul F 615

894-2180 1000

10014 Orlando Myron 615

222-1672 700

10015 OBrian Amy B 713

442-3381 1000

CUS\_CODE CUS\_LNAME CUS\_FNAME CUS\_ CUS\_AREACODE

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

CUS\_PHON CUS\_BALANCE

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

10016 Brown James G 615

297-1226 0

10017 Williams George 615

290-2556 0

10018 Fames Annie G 713

362-7185 0

CUS\_CODE CUS\_LNAME CUS\_FNAME CUS\_ CUS\_AREACODE

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

Two rows inserted into CUSTOMERS

CUS\_PHON CUS\_BALANCE

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

10019 Smith Olette k 615

297-3809 500

10020 Rivers Jarrett R 773

555-1212 0

10021 Rivers Tamara L 773

555-1213 0

12 rows selected.

SQL> DELETE FROM PILOT

2 WHERE EMP\_NUM >109;

2 rows deleted.

SQL> DELETE FROM PILOT

2 WHERE PIL\_MED\_TYPE='2';

1 row deleted.

SQL> DELETE FROM EMPLOYEE

2 WHERE EMP\_NUM >'110';

2 rows deleted.

SQL> DELETE FROM EMPLOYEE

2 WHERE EMP\_INTIAL ='K';

2 rows deleted.

SQL> DELETE FROM CUSTOMER

2 WHERE CUS\_CODE >'10019';

2 rows deleted.

SQL> DELETE FROM CUSTOMER

2 WHERE CUS\_BALANCE ='0';

5 rows deleted.

SQL> UPDATE PILOT

2 SET PIL\_MED\_TYPE= '5'

3 WHERE PIL\_MED\_TYPE = '1';

4 rows updated.

SQL> UPDATE PILOT

2 SET PIL\_LICENSE = 'OLE'

3 WHERE PIL\_LICENSE ='COM';

2 rows updated.

SQL> UPDATE EMPLOYEE

2 SET EMP\_TITLE= 'Sir'

3 WHERE EMP\_TITLE='Mr.';

5 rows updated.

SQL> UPDATE EMPLOYEE

2 SET EMP\_TITLE='Maam'

3 WHERE EMP\_TITLE='Mrs.';

1 row updated.

SQL> UPDATE CUSTOMER

2 SET CUS\_AREACODE='715'

3 WHERE CUS\_AREACODE='713';

1 row updated.

SQL> UPDATE CUSTOMER

2 SET CUS\_AREACODE='618'

3 WHERE CUS\_AREACODE='615';

3 rows updated.

SQL> SELECT \* FROM PILOT;

EMP\_NUM PIL\_L PIL\_RATINGS

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

PIL\_MED\_TYPE PIL\_MED\_DAT FT135\_DATE

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

Deleted rows with EMP\_NUM greater than 109 and rows in which the PIL\_MED\_TYPE =2. Updated PILOT by changing PIL\_MED\_TYPE from 1 to 5 and changed PIL\_License from COM to OLE

101 ATP ATP/SEL/MEL/Instr/CFII

5 20-Jan-12 11-Jan-12

104 ATP ATP/SEL/MEL/Instr

5 20-Jan-11 17-Jan-12

106 OLE COMM/SEL/MEL/Instr

5 10-Dec-11 02-Feb-12

EMP\_NUM PIL\_L PIL\_RATINGS

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

PIL\_MED\_TYPE PIL\_MED\_DAT FT135\_DATE

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

109 OLE ATP/SEL/MEL/SES/Instr/CFI

5 22-Jan-12 15-Jan-12

Deleted rows greater than 110 and where EMP\_INITIAL =K and UPDATED by changing EMP\_TITLE Mr. to sir and Mrs. To Maam

SQL> SELECT \* FROM EMPLOYEE;

EMP\_NUM EMP\_T EMP\_LNAME EMP\_FNAME EMP\_

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

EMP\_DOB EMP\_HIRE\_

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

100 Sir Kalmycz George D

15-JUN-42 15-MAR-88

101 MS. Lewis Rhonda G

19-MAR-65 25-APR-88

102 Sir Vsndam Rhett

14-NOV-58 18-MAY-93

103 Ms. Jones Anne M

11-MAY-74 26-JUL-99

104 Sir Lange John P

12-JUL-71 20-AUG-90

105 Sir Williams Robert D

14-MAR-75 19-JUN-03

107 Sir Diante Jorge D

01-MAY-75 02-JUL-97

108 Sir Wiesenbach Paul R

14-FEB-66 03-JUN-93

110 Maam Genkazi Leigala W

19-MAY-70 29-JUN-90

Deleted from CUSTOMERS rows with CUS\_CODE is greater than 10019 and that had CUS\_BALANCE = 0 and updated by changing 713 areacodes to 715 and 615 to 618

9 rows selected.

SQL> SELECT \* FROM CUSTOMER

2 ;

CUS\_CODE CUS\_LNAME CUS\_FNAME CUS\_ CUS\_AREACODE

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

CUS\_PHON CUS\_BALANCE

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

10012 Smith Kathy W 815

894-2285 900

10013 Olowski Paul F 618

894-2180 1000

10014 Orlando Myron 618

222-1672 700

10015 OBrian Amy B 715

442-3381 1000

10019 Smith Olette k 618

297-3809 500

DROPTABLE.SQL deletes PILOT, EMPLOYEE, and CUSTOMER tables

SQL> start DROPTABLE.SQL

Table dropped.

Table dropped.

Table dropped.

SQL> SPOOL OFF