SQL> CREATE TABLE SAILORS(SID NUMBER(20)PRIMARY KEY,SNAME VARCHAR(20),RATING NUMBER(10),AGE NUMBER(10));

Table created.

SQL> CREATE TABLE BOATS(BID NUMBER(20)PRIMARY KEY,BNAME VARCHAR(20),COLOR VARCHAR(20));

Table created.

SQL> CREATE TABLE RESERVES(SID INT REFERENCES SAILORS(SID),BID INT REFERENCES BOATS(BID),DAY DATE);

Table created.

SQL> INSERT INTO SAILORS VALUES(&SID,'&SNAME',&RATING,&AGE);

Enter value for sid: 22

Enter value for sname: DUSTIN

Enter value for rating: 7

Enter value for age: 45

old 1: INSERT INTO SAILORS VALUES(&SID,'&SNAME',&RATING,&AGE)

new 1: INSERT INTO SAILORS VALUES(22,'DUSTIN',7,45)

1 row created.

SQL> /

Enter value for sid: 29

Enter value for sname: BRUTAS

Enter value for rating: 1

Enter value for age: 33

old 1: INSERT INTO SAILORS VALUES(&SID,'&SNAME',&RATING,&AGE)

new 1: INSERT INTO SAILORS VALUES(29,'BRUTAS',1,33)

1 row created.

SQL> /

Enter value for sid: 31

Enter value for sname: LUBBER

Enter value for rating: 8

Enter value for age: 55

old 1: INSERT INTO SAILORS VALUES(&SID,'&SNAME',&RATING,&AGE)

new 1: INSERT INTO SAILORS VALUES(31,'LUBBER',8,55)

1 row created.

SQL> /

Enter value for sid: 32

Enter value for sname: ANDY

Enter value for rating: 8

Enter value for age: 25

old 1: INSERT INTO SAILORS VALUES(&SID,'&SNAME',&RATING,&AGE)

new 1: INSERT INTO SAILORS VALUES(32,'ANDY',8,25)

1 row created.

SQL> /

Enter value for sid: 58

Enter value for sname: RUSTY

Enter value for rating: 10

Enter value for age: 35

old 1: INSERT INTO SAILORS VALUES(&SID,'&SNAME',&RATING,&AGE)

new 1: INSERT INTO SAILORS VALUES(58,'RUSTY',10,35)

1 row created.

SQL> /

Enter value for sid: 64

Enter value for sname: HORATIO

Enter value for rating: 7

Enter value for age: 35

old 1: INSERT INTO SAILORS VALUES(&SID,'&SNAME',&RATING,&AGE)

new 1: INSERT INTO SAILORS VALUES(64,'HORATIO',7,35)

1 row created.

SQL> /

Enter value for sid: 71

Enter value for sname: ZORBA

Enter value for rating: 10

Enter value for age: 16

old 1: INSERT INTO SAILORS VALUES(&SID,'&SNAME',&RATING,&AGE)

new 1: INSERT INTO SAILORS VALUES(71,'ZORBA',10,16)

1 row created.

SQL> /

Enter value for sid: 74

Enter value for sname: HORATIO

Enter value for rating: 9

Enter value for age: 35

old 1: INSERT INTO SAILORS VALUES(&SID,'&SNAME',&RATING,&AGE)

new 1: INSERT INTO SAILORS VALUES(74,'HORATIO',9,35)

1 row created.

SQL> /

Enter value for sid: 85

Enter value for sname: ART

Enter value for rating: 3

Enter value for age: 26

old 1: INSERT INTO SAILORS VALUES(&SID,'&SNAME',&RATING,&AGE)

new 1: INSERT INTO SAILORS VALUES(85,'ART',3,26)

1 row created.

SQL> /

Enter value for sid: 95

Enter value for sname: BOB

Enter value for rating: 3

Enter value for age: 64

old 1: INSERT INTO SAILORS VALUES(&SID,'&SNAME',&RATING,&AGE)

new 1: INSERT INTO SAILORS VALUES(95,'BOB',3,64)

1 row created.

SQL> INSERT INTO BOATS VALUES(&BID,'&BNAME','&COLOR');

Enter value for bid: 101

Enter value for bname: INTERLAKE

Enter value for color: BLUE

old 1: INSERT INTO BOATS VALUES(&BID,'&BNAME','&COLOR')

new 1: INSERT INTO BOATS VALUES(101,'INTERLAKE','BLUE')

1 row created.

SQL> /

Enter value for bid: 102

Enter value for bname: INTERLAKE

Enter value for color: RED

old 1: INSERT INTO BOATS VALUES(&BID,'&BNAME','&COLOR')

new 1: INSERT INTO BOATS VALUES(102,'INTERLAKE','RED')

1 row created.

SQL> /

Enter value for bid: 103

Enter value for bname: CLIPPER

Enter value for color: GREEN

old 1: INSERT INTO BOATS VALUES(&BID,'&BNAME','&COLOR')

new 1: INSERT INTO BOATS VALUES(103,'CLIPPER','GREEN')

1 row created.

SQL> /

Enter value for bid: 104

Enter value for bname: MARINE

Enter value for color: RED

old 1: INSERT INTO BOATS VALUES(&BID,'&BNAME','&COLOR')

new 1: INSERT INTO BOATS VALUES(104,'MARINE','RED')

1 row created.

SQL> INSERT INTO RESERVES VALUES(&SID,&BID,&DAY);

Enter value for sid: 22

Enter value for bid: 101

Enter value for day: '10-OCT-98'

old 1: INSERT INTO RESERVES VALUES(&SID,&BID,&DAY)

new 1: INSERT INTO RESERVES VALUES(22,101,'10-OCT-98')

1 row created.

SQL> /

Enter value for sid: 22

Enter value for bid: 102

Enter value for day: '10-10-98'

old 1: INSERT INTO RESERVES VALUES(&SID,&BID,&DAY)

new 1: INSERT INTO RESERVES VALUES(22,102,'10-10-98')

INSERT INTO RESERVES VALUES(22,102,'10-10-98')

\*

ERROR at line 1:

ORA-01843: not a valid month

SQL> /

Enter value for sid: 22

Enter value for bid: 103

Enter value for day: '10-AUG-98'

old 1: INSERT INTO RESERVES VALUES(&SID,&BID,&DAY)

new 1: INSERT INTO RESERVES VALUES(22,103,'10-AUG-98')

1 row created.

SQL> /

Enter value for sid: 22

Enter value for bid: 104

Enter value for day: '10-JUL-98'

old 1: INSERT INTO RESERVES VALUES(&SID,&BID,&DAY)

new 1: INSERT INTO RESERVES VALUES(22,104,'10-JUL-98')

1 row created.

SQL> /

Enter value for sid: 31

Enter value for bid: 102

Enter value for day: '11-OCT-98'

old 1: INSERT INTO RESERVES VALUES(&SID,&BID,&DAY)

new 1: INSERT INTO RESERVES VALUES(31,102,'11-OCT-98')

1 row created.

SQL> /

Enter value for sid: 31

Enter value for bid: 103

Enter value for day: '11-JUN-98'

old 1: INSERT INTO RESERVES VALUES(&SID,&BID,&DAY)

new 1: INSERT INTO RESERVES VALUES(31,103,'11-JUN-98')

1 row created.

SQL> /

Enter value for sid: 31

Enter value for bid: 104

Enter value for day: '11-DEC-98'

old 1: INSERT INTO RESERVES VALUES(&SID,&BID,&DAY)

new 1: INSERT INTO RESERVES VALUES(31,104,'11-DEC-98')

1 row created.

SQL> /

Enter value for sid: 64

Enter value for bid: 101

Enter value for day: '9-MAY-98'

old 1: INSERT INTO RESERVES VALUES(&SID,&BID,&DAY)

new 1: INSERT INTO RESERVES VALUES(64,101,'9-MAY-98')

1 row created.

SQL> /

Enter value for sid: 64

Enter value for bid: 102

Enter value for day: '9-AUG-98'

old 1: INSERT INTO RESERVES VALUES(&SID,&BID,&DAY)

new 1: INSERT INTO RESERVES VALUES(64,102,'9-AUG-98')

1 row created.

SQL> /

Enter value for sid: 74

Enter value for bid: 103

Enter value for day: '9-AUG-98'

old 1: INSERT INTO RESERVES VALUES(&SID,&BID,&DAY)

new 1: INSERT INTO RESERVES VALUES(74,103,'9-AUG-98')

1 row created.

SQL> SELECT \* FROM SAILORS;

SID SNAME RATING AGE

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

22 DUSTIN 7 45

29 BRUTAS 1 33

31 LUBBER 8 55

32 ANDY 8 25

58 RUSTY 10 35

64 HORATIO 7 35

71 ZORBA 10 16

74 HORATIO 9 35

85 ART 3 26

95 BOB 3 64

10 rows selected.

SQL> SELECT \* FROM BOATS;

BID BNAME COLOR

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

101 INTERLAKE BLUE

102 INTERLAKE RED

103 CLIPPER GREEN

104 MARINE RED

SQL> SELECT \* FROM RESERVES;

SID BID DAY

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

22 101 10-OCT-98

22 103 10-AUG-98

22 104 10-JUL-98

31 102 11-OCT-98

31 103 11-JUN-98

31 104 11-DEC-98

64 101 09-MAY-98

64 102 09-AUG-98

74 103 09-AUG-98

9 rows selected.

SQL> INSERT INTO RESERVES VALUES(&SID,&BID,&DAY);

Enter value for sid: 22

Enter value for bid: 102

Enter value for day: '10-OCT-98'

old 1: INSERT INTO RESERVES VALUES(&SID,&BID,&DAY)

new 1: INSERT INTO RESERVES VALUES(22,102,'10-OCT-98')

1 row created.

SQL> SELECT \* FROM RESERVES;

SID BID DAY

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

22 101 10-OCT-98

22 103 10-AUG-98

22 104 10-JUL-98

31 102 11-OCT-98

31 103 11-JUN-98

31 104 11-DEC-98

64 101 09-MAY-98

64 102 09-AUG-98

74 103 09-AUG-98

22 102 10-OCT-98

10 rows selected.

SQL> SELECT AGE,SNAME FROM SAILORS;

AGE SNAME

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

45 DUSTIN

33 BRUTAS

55 LUBBER

25 ANDY

35 RUSTY

35 HORATIO

16 ZORBA

35 HORATIO

26 ART

64 BOB

10 rows selected.

SQL> SELECT \* FROM SAILORS WHERE SID IN(SELECT SID FROM RESERVES WHERE BID=101);

SID SNAME RATING AGE

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

22 DUSTIN 7 45

64 HORATIO 7 35

SQL> SELECT \* FROM SAILORS WHERE RATING > 7;

SID SNAME RATING AGE

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

31 LUBBER 8 55

32 ANDY 8 25

58 RUSTY 10 35

71 ZORBA 10 16

74 HORATIO 9 35

SQL> SELECT SNAME FROM SAILORS WHERE SID IN(SELECT SID FROM RESERVES WHERE BID=103);

SNAME

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

DUSTIN

LUBBER

HORATIO

SQL> SELECT SAILORS.SNAME FROM SAILORS JOIN RESERVES ON SAILORS.SID =RESERVES.SID JOIN BOATS ON RESERVES.BID=BOATS.BID WHERE BOATS.COLOR='RED' ORDER BY SAILORS.AGE;

SNAME

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

HORATIO

DUSTIN

DUSTIN

LUBBER

LUBBER

SQL> SELECT SAILORS.SNAME FROM SAILORS JOIN RESERVES ON SAILORS.SID=RESERVES.SID JOIN BOATS ON RESERVES.BID=BOATS.BID WHERE BOATS.COLOR='RED' OR BOATS.COLOR='GREEN';

SNAME

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

DUSTIN

DUSTIN

DUSTIN

LUBBER

LUBBER

LUBBER

HORATIO

HORATIO

8 rows selected.

SQL> SELECT BOATS.COLOR FROM BOATS JOIN RESERVES ON BOATS.BID=RESERVES.BID JOIN SAILORS ON RESERVES.SID=SAILORS.SID WHERE SAILORS.SNAME='LUBBER';

COLOR

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

RED

GREEN

RED