1. SQL> CREATE TABLE SAILORS(sid NUMBER(10) PRIMARY KEY,sname VARCHAR(20),rating NUMBER(15),age NUMBER(10));

Table created.

SQL> CREATE TABLE BOATS(Bid NUMBER(10) PRIMARY KEY,bname VARCHAR(20),color VARCHAR(10));

Table created.

SQL> CREATE TABLE RESERVE(sid NUMBER REFERENCES SAILORS(sid),bid NUMBER 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: Red

old 1: INSERT INTO BOATS VALUES(&Bid,'&bname','&color')

new 1: INSERT INTO BOATS VALUES(101,'Interlake','Red')

1 row created.

SQL> /

Enter value for bid: 102

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(102,'Interlake','Blue')

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> /

Enter value for sid: 22

Enter value for bid: 101

Enter value for day: 1998/10/10

old 1: INSERT INTO RESERVE VALUES(&sid,'&bid','&day')

new 1: INSERT INTO RESERVE VALUES(22,'101','1998/10/10')

INSERT INTO RESERVE VALUES(22,'101','1998/10/10')

\*

ERROR at line 1:

ORA-01861: literal does not match format string

SQL> /

Enter value for sid: 22

Enter value for bid: 101

Enter value for day: 10-OCT-98

old 1: INSERT INTO RESERVE VALUES(&sid,'&bid','&day')

new 1: INSERT INTO RESERVE 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-OCT-98

old 1: INSERT INTO RESERVE VALUES(&sid,'&bid','&day')

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

1 row created.

SQL> 22

SP2-0226: Invalid line number

SQL> /

Enter value for sid: 22

Enter value for bid: 103

Enter value for day: 10-AUG-98

old 1: INSERT INTO RESERVE VALUES(&sid,'&bid','&day')

new 1: INSERT INTO RESERVE 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 RESERVE VALUES(&sid,'&bid','&day')

new 1: INSERT INTO RESERVE 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 RESERVE VALUES(&sid,'&bid','&day')

new 1: INSERT INTO RESERVE 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 RESERVE VALUES(&sid,'&bid','&day')

new 1: INSERT INTO RESERVE 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 RESERVE VALUES(&sid,'&bid','&day')

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

1 row created.

SQL> 64

SP2-0226: Invalid line number

SQL> /

Enter value for sid: 64

Enter value for bid: 101

Enter value for day: 9

old 1: INSERT INTO RESERVE VALUES(&sid,'&bid','&day')

new 1: INSERT INTO RESERVE VALUES(64,'101','9')

INSERT INTO RESERVE VALUES(64,'101','9')

\*

ERROR at line 1:

ORA-01840: input value not long enough for date format

SQL> /

Enter value for sid: 64

Enter value for bid: 101

Enter value for day: 9-MAY-98

old 1: INSERT INTO RESERVE VALUES(&sid,'&bid','&day')

new 1: INSERT INTO RESERVE 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 RESERVE VALUES(&sid,'&bid','&day')

new 1: INSERT INTO RESERVE 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 RESERVE VALUES(&sid,'&bid','&day')

new 1: INSERT INTO RESERVE 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 Red

102 Interlake Blue

103 Clipper Green

104 Marine Red

SQL> SELECT \* FROM RESERVE;

SID BID DAY

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

22 101 10-OCT-98

22 102 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

10 rows selected.

SQL> SELECT sname,age FROM SAILORS;

SNAME AGE

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

Dustin 45

Brutas 33

Lubber 55

Andy 25

Rusty 35

Horatio 35

Zorba 16

Horatio 35

Art 26

Bob 64

10 rows selected.

SQL> SELECT \*FROM SAILORS WHERE sid IN(select SID FROM RESERVE WHERE bid=101);

SID SNAME RATING AGE

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

22 Dustin 7 45

64 Horatio 7 35

SQL> SET LINESIZE 200

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 RESERVE WHERE bid=103);

SNAME

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

Dustin

Lubber

Horatio

SQL> SELECT sname FROM SAILORS WHERE sid IN(SELECT sid FROM RESERVE WHERE bid IN(SELECT bid FROM BOATS WHERE color='Red'))ORDER BY age;

SNAME

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

Horatio

Dustin

Lubber

SQL> SELECT sname FROM SAILORS WHERE sid IN(SELECT sid FROM RESERVE WHERE bid IN(SELECT bid FROM BOATS WHERE color='Red' OR color='Green'));

SNAME

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

Dustin

Lubber

Horatio

Horatio