SQL> select \* from sailors;

SID SNAME RATING AGE

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

22 dustin 7 45

29 brutus 1 33

31 lubler 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 25

95 bob 3 63

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

22 102 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 distinct sname from sailors;

SNAME

----------

brutus

lubler

bob

andy

rusty

dustin

zorba

art

horatio

9 rows selected.

SQL> select \* from sailors,reserves where sailors.sid=reserves.sid and bid=101;

SID SNAME RATING AGE SID BID DAY

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

22 dustin 7 45 22 101 10-OCT-98

64 horatio 7 35 64 101 09-MAY-98

SQL> select distinct sname from reserves natural join sailors;

SNAME

----------

lubler

dustin

horatio

SQL> select sname from reserves natural join sailors;

SNAME

----------

dustin

dustin

dustin

dustin

lubler

lubler

lubler

horatio

horatio

horatio

10 rows selected.

SQL> select sid,sname from sailors where sid in (select sid from reserves group by sid);

SID SNAME

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

22 dustin

31 lubler

64 horatio

74 horatio

SQL> select sname from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and color='red' and order by age;

select sname from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and color='red' and order by age

\*

ERROR at line 1:

ORA-00936: missing expression

SQL> select sname from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and boats.color='red' and order by age;

select sname from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and boats.color='red' and order by age

\*

ERROR at line 1:

ORA-00936: missing expression

SQL> select sname from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and boats.color='red' order by age;

SNAME

----------

horatio

dustin

dustin

lubler

lubler

SQL> select distinct sname from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and boats.color='red' order by age;

select distinct sname from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and boats.color='red' order by age

\*

ERROR at line 1:

ORA-01791: not a SELECTed expression

SQL> select sname from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and boats.color='red' order by age;

SNAME

----------

horatio

dustin

dustin

lubler

lubler

SQL> select sname,bname from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and boats.color='red' order by age;

SNAME BNAME

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

horatio interlake

dustin interlake

dustin marine

lubler marine

lubler interlake

SQL> select sname,bname,color from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and boats.color='red' order by age;

SNAME BNAME COLOR

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

horatio interlake red

dustin interlake red

dustin marine red

lubler marine red

lubler interlake red

SQL> select sname,bname,color,age from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and boats.color='red' order by age;

SNAME BNAME COLOR AGE

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

horatio interlake red 35

dustin interlake red 45

dustin marine red 45

lubler marine red 55

lubler interlake red 55

SQL> select distinct sname from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and boats.color='red' order by age;

select distinct sname from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and boats.color='red' order by age

\*

ERROR at line 1:

ORA-01791: not a SELECTed expression

SQL> select distinct sid,sname from reserves natural join sailors;

SID SNAME

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

74 horatio

64 horatio

22 dustin

31 lubler

SQL> select distinct sname ,age from sailor,boats,reserves where color='red' and sailor.sid=reserves.sid and boats.bid=reserves.bid order by sailor.age;

select distinct sname ,age from sailor,boats,reserves where color='red' and sailor.sid=reserves.sid and boats.bid=reserves.bid order by sailor.age

\*

ERROR at line 1:

ORA-00942: table or view does not exist

SQL> select distinct sname ,age from sailors,boats,reserves where color='red' and sailors.sid=reserves.sid and boats.bid=reserves.bid order by sailor.age;

select distinct sname ,age from sailors,boats,reserves where color='red' and sailors.sid=reserves.sid and boats.bid=reserves.bid order by sailor.age

\*

ERROR at line 1:

ORA-00904: "SAILOR"."AGE": invalid identifier

SQL> select distinct sname,age from sailors,boats,reserves where color='red' and sailors.sid=reserves.sid and boats.bid=reserves.bid order by sailor.age;

select distinct sname,age from sailors,boats,reserves where color='red' and sailors.sid=reserves.sid and boats.bid=reserves.bid order by sailor.age

\*

ERROR at line 1:

ORA-00904: "SAILOR"."AGE": invalid identifier

SQL> select distinct sname,age from sailors,boats,reserves where color='red' and sailors.sid=reserves.sid and boats.bid=reserves.bid order by sailors.age;

SNAME AGE

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

horatio 35

dustin 45

lubler 55

SQL> select distinct s.sid,sname from sailor s,reserves r1,reserves r2 where s.sid=r1.sid and s.sid=r2.sid and r1.day=r2.day and r1.bid<>r2.bid;

select distinct s.sid,sname from sailor s,reserves r1,reserves r2 where s.sid=r1.sid and s.sid=r2.sid and r1.day=r2.day and r1.bid<>r2.bid

\*

ERROR at line 1:

ORA-00942: table or view does not exist

SQL> select distinct s.sid,sname from sailors s,reserves r1,reserves r2 where s.sid=r1.sid and s.sid=r2.sid and r1.day=r2.day and r1.bid<>r2.bid;

SID SNAME

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

22 dustin

SQL> select sailors.sid,sname from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and boats.color='red' union select sailors.sid,sname from sailors,reserves,boats where sailors.sid=reserves.sid and reserves.bid=boats.bid and boats.color='green';

SID SNAME

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

22 dustin

31 lubler

64 horatio

74 horatio

SQL>