SQL> SELECT ENAME FROM EMP

2 WHERE SAL < (SELECT SAL FROM EMP WHERE ENAME= 'ADAMS');

ENAME

----------

SMITH

JAMES

SQL> SELECT ENAME,SAL FROM EMP WHERE SAL <(SELECT SAL FROM EMP WHERE ENAME='KING');

ENAME SAL

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

SMITH 800

ALLEN 1600

WARD 1250

JONES 2975

MARTIN 1250

BLAKE 2850

CLARK 2450

SCOTT 3000

TURNER 1500

ADAMS 1100

JAMES 950

FORD 3000

MILLER 1300

13 rows selected.

SQL> SELECT ENAME,DEPTNO FROM

2 EMP WHERE

3 DEPTNO = (SELECT DEPTNO FROM EMP WHERE ENAME='JONES');

ENAME DEPTNO

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

SMITH 20

JONES 20

SCOTT 20

ADAMS 20

FORD 20

SQL> SELECT ENAME,JOB

2 FROM EMP

3 WHERE JOB=

4 (SELECT JOB FROM EMP WHERE ENAME='JAMES');

ENAME JOB

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

SMITH CLERK

ADAMS CLERK

JAMES CLERK

MILLER CLERK

SQL> SELECT EMPNO,ENAME,SAL\*12 AS ANNUAL\_SAL

2 FROM EMP

3 WHERE SAL\*12 > (SELECT SAL\*12 FROM EMP WHERE ENAME='WARDS');

no rows selected

1 SELECT ENAME, HIREDATE

2 FROM EMP

3\* WHERE HIREDATE < (SELECT HIREDATE FROM EMP WHERE ENAME = 'SCOTT')

SQL> /

ENAME HIREDATE

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

SMITH 17-DEC-80

ALLEN 20-FEB-81

WARD 22-FEB-81

JONES 02-APR-81

MARTIN 28-SEP-81

BLAKE 01-MAY-81

CLARK 09-JUN-81

KING 17-NOV-81

TURNER 08-SEP-81

JAMES 03-DEC-81

FORD 03-DEC-81

MILLER 23-JAN-82

1 SELECT ENAME, HIREDATE

2 FROM EMP

3\* WHERE HIREDATE > (SELECT HIREDATE FROM EMP WHERE JOB = 'PRESIDENT')

SQL> /

ENAME HIREDATE

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

SCOTT 19-APR-87

ADAMS 23-MAY-87

JAMES 03-DEC-81

FORD 03-DEC-81

MILLER 23-JAN-82

1 SELECT ENAME, SAL

2 FROM EMP

3\* WHERE SAL < (SELECT SAL FROM EMP WHERE EMPNO = 7839)

SQL> /

ENAME SAL

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

SMITH 800

ALLEN 1600

WARD 1250

JONES 2975

MARTIN 1250

BLAKE 2850

CLARK 2450

SCOTT 3000

TURNER 1500

ADAMS 1100

JAMES 950

FORD 3000

MILLER 1300

1 SELECT \*

2 FROM EMP

3\* WHERE HIREDATE < (SELECT HIREDATE FROM EMP WHERE ENAME = 'MILLER')

QL> /

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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

7369 SMITH CLERK 7902 17-DEC-80 800 20

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7566 JONES MANAGER 7839 02-APR-81 2975 20

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7839 KING PRESIDENT 17-NOV-81 5000 10

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7900 JAMES CLERK 7698 03-DEC-81 950 30

7902 FORD ANALYST 7566 03-DEC-81 3000 20

1 SELECT ENAME, EMPNO

2 FROM EMP

3\* WHERE SAL > (SELECT SAL FROM EMP WHERE ENAME = 'ALLEN')

SQL> /

ENAME EMPNO

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

JONES 7566

BLAKE 7698

CLARK 7782

SCOTT 7788

KING 7839

FORD 7902  
  
SQL> SELECT ENAME, SAL

2 FROM EMP

3 WHERE SAL > (SELECT SAL FROM EMP WHERE ENAME = 'MILLER')

4 AND SAL < (SELECT SAL FROM EMP WHERE ENAME = 'ALLEN');

ENAME SAL

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

TURNER 1500  
  
SQL> SELECT \*

2 FROM EMP

3 WHERE DEPTNO = 20

4 AND JOB = (SELECT JOB FROM EMP WHERE ENAME = 'SHITH');

no rows selected  
  
SQL> SELECT \*

2 FROM EMP

3 WHERE JOB = 'MANAGER'

4 AND DEPTNO = (SELECT DEPTNO FROM EMP WHERE ENAME = 'TURNER');

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

SQL> SELECT ENAME, HIREDATE

2 FROM EMP

3 WHERE HIREDATE > '01-JAN-1908'

4 AND HIREDATE < (SELECT HIREDATE FROM EMP WHERE ENAME = 'KING');

ENAME HIREDATE

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

SMITH 17-DEC-80

ALLEN 20-FEB-81

WARD 22-FEB-81

JONES 02-APR-81

MARTIN 28-SEP-81

BLAKE 01-MAY-81

CLARK 09-JUN-81

TURNER 08-SEP-81  
  
SQL> SELECT ENAME, SAL, SAL \* 12 AS ANNUAL\_SAL

2 FROM EMP

3 WHERE SAL < (SELECT SAL FROM EMP WHERE ENAME = 'BLAKE')

4 AND SAL > 3500;

no rows selected

SQL> SELECT \*

2 FROM EMP

3 WHERE SAL > (SELECT SAL FROM EMP WHERE ENAME = 'SCOTT')

4 AND SAL < (SELECT SAL FROM EMP WHERE ENAME = 'KING');

no rows selected  
SQL> SELECT ENAME

2 FROM EMP

3 WHERE ENAME LIKE 'A%'

4 AND DEPTNO = (SELECT DEPTNO FROM EMP WHERE ENAME = 'BLAKE');

ENAME

----------

ALLEN  
  
SQL> SELECT ENAME, COMM

2 FROM EMP

3 WHERE COMM IS NOT NULL

4 AND JOB = (SELECT JOB FROM EMP WHERE ENAME = 'SHITH');

no rows selected  
SQL> SELECT \*

2 FROM EMP

3 WHERE JOB = 'CLERK'

4 AND DEPTNO = (SELECT DEPTNO FROM EMP WHERE ENAME = 'TURNER');

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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

7900 JAMES CLERK 7698 03-DEC-81 950 30  
  
SQL> SELECT ENAME, SAL, JOB

2 FROM EMP

3 WHERE SAL \* 12 > (SELECT SAL \* 12 FROM EMP WHERE ENAME = 'SHITH')

4 AND SAL \* 12 < (SELECT SAL \* 12 FROM EMP WHERE ENAME = 'KING');

no rows selected  
  
1\* SELECT DEPTNO FROM EMP WHERE ENAME='SMITH'

2 ;

DEPTNO

--------

20

SQL> SELECT DNAME,LOC FROM DEPT WHERE DEPTNO=(SELECT DEPTNO

2 FROM EMP WHERE ENAME='KING');

DNAME LOC

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

ACCOUNTING NEW YORK

SQL> SELECT LOC

2 FROM DEPT

3 WHERE DEPTNO = (SELECT DEPTNO FROM EMP WHERE EMPNO = 7902);

LOC

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

DALLAS

SQL> SELECT DNAME, LOC, DEPT.DEPTNO

2 FROM DEPT

3 WHERE DEPTNO IN (SELECT DEPTNO FROM EMP WHERE ENAME LIKE '%R');

DNAME LOC DEPTNO

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

ACCOUNTING NEW YORK 10

SALES CHICAGO 30

SQL> SELECT DNAME FROM DEPT WHERE DEPTNO=(SELECT DEPTNO FROM EMP WHERE JOB='PRESIDENT');

DNAME

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

ACCOUNTING

SQL> SELECT ENAME FROM EMP

2 WHERE DEPTNO=(SELECT DEPTNO FROM DEPT WHERE DNAME='ACCOUNTING');

ENAME

----------

CLARK

KING

MILLER

SQL> SELECT ENAME,SAL FROM EMP WHERE DEPTNO=

2 (SELECT DEPTNO FROM DEPT WHERE LOC='CHICAGO');

ENAME SAL

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

ALLEN 1600

WARD 1250

MARTIN 1250

BLAKE 2850

TURNER 1500

JAMES 950

6 rows selected.

SQL> SELECT \* FROM EMP

2 WHERE DEPTNO=

3 (SELECT DEPTNO FROM DEPT WHERE DNAME='SALES');

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7900 JAMES CLERK 7698 03-DEC-81 950 30

6 rows selected.

SQL> SELECT EMP.\*, SAL \* 12 AS ANNUAL

2 FROM EMP

3 WHERE DEPTNO = (SELECT DEPTNO FROM DEPT WHERE LOC = 'NEW YORK');

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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

7782 CLARK MANAGER 7839 09-JUN-81 2450 10

7839 KING PRESIDENT 17-NOV-81 5000 10

7934 MILLER CLERK 7782 23-JAN-82 1300 10

SQL> SELECT ENAME FROM EMP

2 WHERE DEPTNO=(SELECT DEPTNO FROM DEPT WHERE

3 DNAME='OPERATION');

no rows selected

SQL> SELECT ENAME

2 FROM EMP

3 WHERE SAL > (SELECT SAL FROM EMP WHERE ENAME = 'SCOTT')

4 AND DEPTNO = (SELECT DEPTNO FROM DEPT WHERE DNAME = 'ACCOUNTING');

ENAME

----------

KING

SQL> SELECT \*

2 FROM EMP

3 WHERE JOB = 'MANAGER'

4 AND DEPTNO = (SELECT DEPTNO FROM DEPT WHERE LOC = 'CHICAGO');

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

SQL> SELECT ENAME, SAL

2 FROM EMP

3 WHERE SAL > (SELECT SAL FROM EMP WHERE ENAME = 'KING')

4 AND DEPTNO = (SELECT DEPTNO FROM DEPT WHERE DNAME = 'ACCOUNTING');

no rows selected

SQL> SELECT \*

2 FROM EMP

3 WHERE JOB = 'SALESMAN'

4 AND DEPTNO = (SELECT DEPTNO FROM DEPT WHERE DNAME = 'SALES');

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

SQL> SELECT ENAME, SAL, JOB, HIREDATE

2 FROM EMP

3 WHERE DEPTNO = (SELECT DEPTNO FROM DEPT WHERE DNAME = 'OPERATIONS')

4 AND HIREDATE < (SELECT HIREDATE FROM EMP WHERE ENAME = 'KING');

no rows selected

SQL> SELECT \*

2 FROM EMP

3 WHERE DEPTNO IN (SELECT DEPTNO FROM DEPT WHERE DNAME LIKE '%S');

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

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

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300 30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500 30

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400 30

7698 BLAKE MANAGER 7839 01-MAY-81 2850 30

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30

7900 JAMES CLERK 7698 03-DEC-81 950 30

6 rows selected.

SQL> SELECT DISTINCT DNAME

2 FROM DEPT

3 WHERE DEPTNO IN (SELECT DEPTNO FROM EMP WHERE ENAME LIKE '%A%');

DNAME

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

ACCOUNTING

RESEARCH

SALES

SQL> SELECT DNAME, LOC

2 FROM DEPT

3 WHERE DEPTNO IN (SELECT DEPTNO FROM EMP WHERE SAL = 800);

DNAME LOC

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

RESEARCH DALLAS

SQL> SELECT DISTINCT DNAME

2 FROM DEPT

3 WHERE DEPTNO IN (SELECT DEPTNO FROM EMP WHERE COMM IS NOT NULL AND COMM > 0);

DNAME

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

SALES

SQL> SELECT LOC

2 FROM DEPT

3 WHERE DEPTNO = 40

4 AND EXISTS (SELECT 1 FROM EMP WHERE DEPTNO = 40 AND COMM IS NOT NULL AND COMM > 0);

no rows selected