Author: Jonathon Bryant

List empno, job title for each employee

sqlite> .mode columns

sqlite> .header on

sqlite> select empno, ename, job from emp;

EMPNO ENAME JOB

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

7839 KING PRESIDENT

7698 BLAKE MANAGER

7782 CLARK MANAGER

7566 JONES MANAGER

7654 MARTIN SALESMAN

7499 ALLEN SALESMAN

7844 TURNER SALESMAN

7900 JAMES CLERK

7521 WARD SALESMAN

7902 FORD ANALYST

7369 SMITH CLERK

7788 SCOTT ANALYST

7876 ADAMS CLERK

7934 MILLER CLERK

List the names of all employees earning 1000 or more but less than 3000

sqlite> select ename from emp where sal >= 1000 AND sal < 3000;

ENAME

----------

BLAKE

CLARK

JONES

MARTIN

ALLEN

TURNER

WARD

ADAMS

MILLER

List the names of all employees earning between 1000 and 3000

sqlite> select ename from emp where sal between 1000 AND 3000;

ENAME

----------

BLAKE

CLARK

JONES

MARTIN

ALLEN

TURNER

WARD

FORD

SCOTT

ADAMS

MILLER

List the names of all employees who get commission

sqlite> select ename from emp where comm not null;

ENAME

----------

MARTIN

ALLEN

TURNER

WARD

List the names of all employees who do not get commission

sqlite> select ename from emp where comm is null;

ENAME

----------

KING

BLAKE

CLARK

JONES

JAMES

FORD

SMITH

SCOTT

ADAMS

MILLER

List the names of all employees earning between 2000 and 3000 and commission

sqlite> select ename from emp where sal between 2000 AND 3000 and comm not null;

List the names of all employees who have job title manager

sqlite> select ename from emp where lower(job) = 'manager'

...> ;

ENAME

----------

BLAKE

CLARK

JONES

List the job title without repetition

sqlite> select distinct job from emp;

JOB

----------

PRESIDENT

MANAGER

SALESMAN

CLERK

ANALYST

List the names of non-managers who earn more than 2500

sqlite> select ename from emp where lower(job) != 'manager' and sal > 2500;

ENAME

----------

KING

FORD

SCOTT

List the salaries and names of all employees

sqlite> select sal, ename from emp;

SAL ENAME

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

5000 KING

2850 BLAKE

2450 CLARK

2975 JONES

1250 MARTIN

1600 ALLEN

1500 TURNER

950 JAMES

1250 WARD

3000 FORD

800 SMITH

3000 SCOTT

1100 ADAMS

1300 MILLER

Who earn at least 2500 in descending order by sal and within sal, in asc order by name

sqlite> select sal, ename from emp where sal >= 2500 order by sal desc, ename as

c;

SAL ENAME

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

5000 KING

3000 FORD

3000 SCOTT

2975 JONES

2850 BLAKE

List the employees number, name, and sal for all clerks or analysts and how do not earn btw 800 and 1200

sqlite> select empno, ename, sal from emp where lower(job) in('clerk') or lower(

job) in('analyst') and sal not between 800 and 1200;

EMPNO ENAME SAL

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

7900 JAMES 950

7902 FORD 3000

7369 SMITH 800

7788 SCOTT 3000

7876 ADAMS 1100

7934 MILLER 1300

List the name and job title of each employee whose name contains an O and whose job title contains an E

sqlite> select ename, job from emp where ename like '%O%' and job like '%E%';

ENAME JOB

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

JONES MANAGER