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
```