Jonathon Bryant

List employee number and name with lower case name who are CLERKS

sqlite> .mode columns

sqlite> .header on

sqlite> select empno, lower(ename) from emp where job = 'CLERK';

EMPNO lower(ename)

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7900 james

7369 smith

7876 adams

7934 miller

List employee names with five \*’s preceding and following the name

sqlite> select '\*\*\*\*\*' || ename || '\*\*\*\*\*' from emp;

'\*\*\*\*\*' || ename || '\*\*\*\*\*'

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

\*\*\*\*\*KING\*\*\*\*\*

…

\*\*\*\*\*MILLER\*\*\*\*\*

14 lines total

List employee names in lower case with leading and final vowels removed

sqlite> select trim(ename, 'AEIOU') from emp;

trim(ename, 'AEIOU')

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

KING

BLAK

…

DAMS

MILLER

14 Lines in total

List the avg sal of emp by job and have avg sal > 4000

sqlite> select job, avg(sal) from emp group by job having avg(sal) > 4000;

JOB avg(sal)

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PRESIDENT 5000.0

Count the number of employees who may receive a commission

sqlite> select count(ename) from emp where comm not NULL;

count(ename)

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4

List deptno and avg sal for each dept

sqlite> select deptno, avg(sal) from emp group by deptno;

DEPTNO avg(sal)

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10 2916.66666666667

20 2175.0

30 1566.66666666667

Find min, max, and avg sal of employess

sqlite> select min(sal), avg(sal), max(sal) from emp;

min(sal) avg(sal) max(sal)

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

800 2073.21428571429 5000

Of CLERKS

sqlite> select min(sal), avg(sal), max(sal) from emp where job= 'CLERK';

min(sal) avg(sal) max(sal)

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

800 1037.5 1300

For each job

sqlite> select job, min(sal), avg(sal), max(sal) from emp group by job;

JOB min(sal) avg(sal) max(sal)

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ANALYST 3000 3000.0 3000

CLERK 800 1037.5 1300

MANAGER 2450 2758.33333 2975

PRESIDENT 5000 5000.0 5000

SALESMAN 1250 1400.0 1600

Same as last but with comm

Find avg credit limit for customers by state for states with limit less than 7500

sqlite> select state, avg(creditlimit) from customer where creditlimit < 7500 group by state;

STATE avg(creditlimit)

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CA 5200.0

List avg sal by job where avg sal > 2500, order in desc

sqlite> select job, avg(sal) from emp where sal > 2500 group by job order by sal desc;

JOB avg(sal)

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PRESIDENT 5000.0

ANALYST 3000.0

MANAGER 2912.5

List avg, min, and max sal by job where min > 2000 in asc order by job

sqlite> select job, avg(sal), min(sal), max(sal) from emp where sal > 2000 group by job order by job asc;

JOB avg(sal) min(sal) max(sal)

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ANALYST 3000.0 3000 3000

MANAGER 2758.33333 2450 2975

PRESIDENT 5000.0 5000 5000