Live SQL

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Description	SQL from the KISS (Keep It Simply SQL) Analytic video Advocate Connor McDonald. This script is for additiona across an entire table. Run this script standalone, or tak complete Analytics class at https://tinyurl.com/devgym
Area	Analytics
Contributor	Connor Mcdonald (Oracle)
Share Link	https://livesql.oracle.com/apex/livesql/file/content_CLE
Metrics	♡ 5 Likes, ▶ 83 Executions, ▦ Created 2.8 years ago, 2,954 bytes

Statement **1**

```
drop table emp
```

ORA-00942: table or view does not exist

This clear th
your own sc
running this
database, m
not a name
in use !

Statement **2**

```
create table emp (
EMPNO       NUMBER(4)      ,
ENAME             VARCHAR2(10) ,
JOB               VARCHAR2(9)  ,
MGR               NUMBER(4)      ,
HIREDATE          DATE           ,
SAL               NUMBER(7,2)  ,
COMM              NUMBER(7,2)  ,
DEPTNO            NUMBER(2)
)
```

We're creati
from scratch
only can you
LiveSQL, bu
download o
script and ru
database.

Table created.

Statement **3**

```
Insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTN(
```

10/16/2018   Run Library Script

1 row(s) inserted.

Statement	4	
		`Insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTN(`
		◀ ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬
		1 row(s) inserted.

Statement	5	
		`Insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTN(`
		◀ ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬
		1 row(s) inserted.

Statement	6	
		`Insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTN(`
		◀ ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬
		1 row(s) inserted.

Statement	7	
		`Insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTN(`
		◀ ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬
		1 row(s) inserted.

Statement	8	
		`Insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTN(`
		◀ ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬
		1 row(s) inserted.

Statement	9	
		`Insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTN(`
		◀ ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬
		1 row(s) inserted.

Statement	10	
		`Insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTI`
		◀ ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬
		1 row(s) inserted.

Statement	11	
		`Insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTI`
		◀ ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬
		1 row(s) inserted.

Statement	**12**	Insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTI
		◀ ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓
		1 row(s) inserted.

Statement	**13**	Insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTI
		◀ ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓
		1 row(s) inserted.

Statement	**14**	Insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTI
		◀ ▓▓▓▓▓▓▓▓▓▓▓▓▓▓
		1 row(s) inserted.

Statement	**15**	Insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTI
		◀ ▓▓▓▓▓▓▓▓▓▓▓▓▓▓
		1 row(s) inserted.

Statement	**16**	Insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTI
		◀ ▓▓▓▓▓▓▓▓▓▓▓▓▓▓
		1 row(s) inserted.

Statement	**17**	commit
		Statement processed.

Statement 18

```
select empno, ename, job, hiredate, sal
from emp
order by sal
```

> Here is our
> ordered by

EMPNO	ENAME	JOB	HIREDATE
7369	SMITH	CLERK	17-DEC-80
7900	JAMES	CLERK	03-DEC-81
7876	ADAMS	CLERK	12-JAN-83
7521	WARD	SALESMAN	22-FEB-81
7654	MARTIN	SALESMAN	28-SEP-81
7934	MILLER	CLERK	23-JAN-82
7844	TURNER	SALESMAN	08-SEP-81

7499	ALLEN	SALESMAN	20-FEB-81
7782	CLARK	MANAGER	09-JUN-81
7698	BLAKE	MANAGER	01-MAY-81
7566	JONES	MANAGER	02-APR-81
7788	SCOTT	ANALYST	09-DEC-82
7902	FORD	ANALYST	03-DEC-81
7839	KING	PRESIDENT	17-NOV-81

Download CSV

14 rows selected.

Statement   19

```
select empno, ename, job, hiredate, sal,
       rank() OVER (order by hiredate) as hir
from emp
order by sal
```

And a recap
function fro

EMPNO	ENAME	JOB	HIREDATE	SA
7369	SMITH	CLERK	17-DEC-80	800
7900	JAMES	CLERK	03-DEC-81	950
7876	ADAMS	CLERK	12-JAN-83	110
7521	WARD	SALESMAN	22-FEB-81	125
7654	MARTIN	SALESMAN	28-SEP-81	125
7934	MILLER	CLERK	23-JAN-82	130
7844	TURNER	SALESMAN	08-SEP-81	150
7499	ALLEN	SALESMAN	20-FEB-81	160
7782	CLARK	MANAGER	09-JUN-81	245
7698	BLAKE	MANAGER	01-MAY-81	285
7566	JONES	MANAGER	02-APR-81	297
7902	FORD	ANALYST	03-DEC-81	300
7788	SCOTT	ANALYST	09-DEC-82	300
7839	KING	PRESIDENT	17-NOV-81	500

Download CSV

14 rows selected.

Statement   20

```
select empno, ename, job, sal
from emp
order by sal
```

EMPNO	ENAME	JOB
7369	SMITH	CLERK
7900	JAMES	CLERK
7876	ADAMS	CLERK
7521	WARD	SALESMAN

7654	MARTIN	SALESMAN
7934	MILLER	CLERK
7844	TURNER	SALESMAN
7499	ALLEN	SALESMAN
7782	CLARK	MANAGER
7698	BLAKE	MANAGER
7566	JONES	MANAGER
7788	SCOTT	ANALYST
7902	FORD	ANALYST
7839	KING	PRESIDENT

Download CSV

14 rows selected.

Statement **21**

```
select empno, ename, job, sal,
       rank() OVER (order by sal) as sal_rank
       dense_rank() OVER (order by sal) as sa
from emp
order by sal
```

Now we car
RANK and D
functions w
tied values i
sequence

EMPNO	ENAME	JOB	SAL	SAL_RANK	S
7369	SMITH	CLERK	800	1	1
7900	JAMES	CLERK	950	2	2
7876	ADAMS	CLERK	1100	3	3
7521	WARD	SALESMAN	1250	4	4
7654	MARTIN	SALESMAN	1250	4	4
7934	MILLER	CLERK	1300	6	5
7844	TURNER	SALESMAN	1500	7	6
7499	ALLEN	SALESMAN	1600	8	7
7782	CLARK	MANAGER	2450	9	8
7698	BLAKE	MANAGER	2850	10	9
7566	JONES	MANAGER	2975	11	1
7788	SCOTT	ANALYST	3000	12	1
7902	FORD	ANALYST	3000	12	1
7839	KING	PRESIDENT	5000	14	1

Download CSV

14 rows selected.

Statement **22**

```
select empno, ename, job, sal,
       row_number() OVER (order by sal) as sa
from emp
order by sal
```

Here is the
function wh
ascends by
if there are

values, the s
be indeterm

EMPNO	ENAME	JOB	SAL	SAL_ROV
7369	SMITH	CLERK	800	1
7900	JAMES	CLERK	950	2
7876	ADAMS	CLERK	1100	3
7521	WARD	SALESMAN	1250	4
7654	MARTIN	SALESMAN	1250	5
7934	MILLER	CLERK	1300	6
7844	TURNER	SALESMAN	1500	7
7499	ALLEN	SALESMAN	1600	8
7782	CLARK	MANAGER	2450	9
7698	BLAKE	MANAGER	2850	10
7566	JONES	MANAGER	2975	11
7788	SCOTT	ANALYST	3000	12
7902	FORD	ANALYST	3000	13
7839	KING	PRESIDENT	5000	14

Download CSV

14 rows selected.

Statement 23

```
select empno, ename, job, sal,
       row_number() OVER (order by sal, empno
from emp
order by sal
```

To ensure R
consistent, v
sorting info
that we wou
a sorting "ti
EMPNO is u
hence suffic

EMPNO	ENAME	JOB	SAL	SAL_ROV
7369	SMITH	CLERK	800	1
7900	JAMES	CLERK	950	2
7876	ADAMS	CLERK	1100	3
7521	WARD	SALESMAN	1250	4
7654	MARTIN	SALESMAN	1250	5
7934	MILLER	CLERK	1300	6
7844	TURNER	SALESMAN	1500	7
7499	ALLEN	SALESMAN	1600	8
7782	CLARK	MANAGER	2450	9
7698	BLAKE	MANAGER	2850	10
7566	JONES	MANAGER	2975	11
7788	SCOTT	ANALYST	3000	12
7902	FORD	ANALYST	3000	13

| 7839 | KING | PRESIDENT | 5000 | 14 |

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14 rows selected.

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