Live SQL

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Script Results

```
from emp
order by sal
```

EMPNO	ENAME	JOB	SAL	SAL_
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

Description

Area

Contributor

Share Link

Metrics

Statement 1

O

database, n
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 yo
LiveSQL, bu
download o
script and r
database.

Table created.

Statement 3

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

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	80(
7900	JAMES	CLERK	03-DEC-81	95(
7876	ADAMS	CLERK	12-JAN-83	11(
7521	WARD	SALESMAN	22-FEB-81	12!
7654	MARTIN	SALESMAN	28-SEP-81	12!
7934	MILLER	CLERK	23-JAN-82	13(
7844	TURNER	SALESMAN	08-SEP-81	15(
7499	ALLEN	SALESMAN	20-FEB-81	16(
7782	CLARK	MANAGER	09-JUN-81	24!
7698	BLAKE	MANAGER	01-MAY-81	28!
7566	JONES	MANAGER	02-APR-81	297
7902	FORD	ANALYST	03-DEC-81	30(
7788	SCOTT	ANALYST	09-DEC-82	30(
7839	KING	PRESIDENT	17-NOV-81	50(

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 [
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 I
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,
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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