



链滴

oracle database 学习笔记

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原文链接: <https://ld246.com/article/1479728700043>

来源网站: 链滴

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

```
<pre class="prettyprint">SQL> --清屏
SQL> host clr
```

```
SQL> host crl
```

```
SQL> host cls
```

```
SQL> --当前用户
```

```
SQL> show user
```

```
USER 为 "SCOTT"
```

```
SQL> --当前用户的表
```

```
SQL> select * from tab;
```

```
TNAME TABTYPE CLUSTERID
```

```
-----
```

```
DEPT TABLE
```

```
EMP TABLE
```

```
BONUS TABLE
```

```
SALGRADE TABLE
```

```
SQL> desc EMP
```

```
名称 是否为空? 类型
```

```
-----
```

```
EMPNO NOT NULL NUMBER(4)
```

```
ENAME VARCHAR2(10)
```

```
JOB VARCHAR2(9)
```

```
MGR NUMBER(4)
```

```
HIREDATE DATE
```

```
SAL NUMBER(7,2)
```

```
COMM NUMBER(7,2)
```

```
DEPTNO NUMBER(2)
```

```
SQL> --查询所有员工信息
```

```
SQL> select * from emp;
```

```
EMPNO ENAME JOB MGR HIREDATE SAL COMM
```

```
-----
```

```
DEPTNO
```

```
-----
```

```
7369 SMITH CLERK 7902 17-12月-80 800
20
```

```
7499 ALLEN SALESMAN 7698 20-2月 -81 1600 300
30
```

```
7521 WARD SALESMAN 7698 22-2月 -81 1250 500
30
```

```
EMPNO ENAME JOB MGR HIREDATE SAL COMM
```

```
-----
```

```
DEPTNO
```

```
-----
```

```
7566 JONES MANAGER 7839 02-4月 -81 2975
20
```

7654 MARTIN SALESMAN 7698 28-9月 -81 1250 1400
30

7698 BLAKE MANAGER 7839 01-5月 -81 2850
30

EMPNO ENAME JOB MGR HIREDATE SAL COMM

DEPTNO

7782 CLARK MANAGER 7839 09-6月 -81 2450
10

7788 SCOTT ANALYST 7566 19-4月 -87 3000
20

7839 KING PRESIDENT 17-11月-81 5000
10

EMPNO ENAME JOB MGR HIREDATE SAL COMM

DEPTNO

7844 TURNER SALESMAN 7698 08-9月 -81 1500 0
30

7876 ADAMS CLERK 7788 23-5月 -87 1100
20

7900 JAMES CLERK 7698 03-12月-81 950
30

EMPNO ENAME JOB MGR HIREDATE SAL COMM

DEPTNO

7902 FORD ANALYST 7566 03-12月-81 3000
20

7934 MILLER CLERK 7782 23-1月 -82 1300
10

已选择14行。

```
SQL> --设置行和列 宽  
SQL> set linesize 150\  
SP2-0268: linesize 选项的编号无效  
SQL> set linesize 150  
SQL> col ename for a8  
SQL> select * from emp;
```

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

```
7369 SMITH CLERK 7902 17-12月-80 800 20
7499 ALLEN SALESMAN 7698 20-2月 -81 1600 300 30
7521 WARD SALESMAN 7698 22-2月 -81 1250 500 30
7566 JONES MANAGER 7839 02-4月 -81 2975 20
7654 MARTIN SALESMAN 7698 28-9月 -81 1250 1400 30
7698 BLAKE MANAGER 7839 01-5月 -81 2850 30
7782 CLARK MANAGER 7839 09-6月 -81 2450 10
7788 SCOTT ANALYST 7566 19-4月 -87 3000 20
7839 KING PRESIDENT 17-11月-81 5000 10
7844 TURNER SALESMAN 7698 08-9月 -81 1500 0 30
7876 ADAMS CLERK 7788 23-5月 -87 1100 20
```

```
EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO
```

```
-----
7900 JAMES CLERK 7698 03-12月-81 950 30
7902 FORD ANALYST 7566 03-12月-81 3000 20
7934 MILLER CLERK 7782 23-1月 -82 1300 10
```

已选择14行。

SQL> /

```
EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO
```

```
-----
7369 SMITH CLERK 7902 17-12月-80 800 20
7499 ALLEN SALESMAN 7698 20-2月 -81 1600 300 30
7521 WARD SALESMAN 7698 22-2月 -81 1250 500 30
7566 JONES MANAGER 7839 02-4月 -81 2975 20
7654 MARTIN SALESMAN 7698 28-9月 -81 1250 1400 30
7698 BLAKE MANAGER 7839 01-5月 -81 2850 30
7782 CLARK MANAGER 7839 09-6月 -81 2450 10
7788 SCOTT ANALYST 7566 19-4月 -87 3000 20
7839 KING PRESIDENT 17-11月-81 5000 10
7844 TURNER SALESMAN 7698 08-9月 -81 1500 0 30
7876 ADAMS CLERK 7788 23-5月 -87 1100 20
```

```
EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO
```

```
-----
7900 JAMES CLERK 7698 03-12月-81 950 30
7902 FORD ANALYST 7566 03-12月-81 3000 20
7934 MILLER CLERK 7782 23-1月 -82 1300 10
```

已选择14行。

SQL> select empno,ename,sal from emp;

```
EMPNO ENAME SAL
```

```
-----
7369 SMITH 800
7499 ALLEN 1600
7521 WARD 1250
7566 JONES 2975
7654 MARTIN 1250
7698 BLAKE 2850
```

```
7782 CLARK 2450
7788 SCOTT 3000
7839 KING 5000
7844 TURNER 1500
7876 ADAMS 1100
```

```
EMPNO ENAME SAL
-----
```

```
7900 JAMES 950
7902 FORD 3000
7934 MILLER 1300
```

已选择14行。

```
SQL> --改错误sql语句
SQL> select empno,ename,sal
2 form emp;
form emp
*
```

第 2 行出现错误:
ORA-00923: 未找到要求的 FROM 关键字

```
SQL> --使用c 命令 chang
SQL> c 2 /form/from
SP2-0023: 未找到字符串
SQL> 2
2* form emp
SQL> c /form/from
2* from emp
SQL> --使用/调用上一条sql语句
SQL> /
```

```
EMPNO ENAME SAL
-----
```

```
7369 SMITH 800
7499 ALLEN 1600
7521 WARD 1250
7566 JONES 2975
7654 MARTIN 1250
7698 BLAKE 2850
7782 CLARK 2450
7788 SCOTT 3000
7839 KING 5000
7844 TURNER 1500
7876 ADAMS 1100
```

```
EMPNO ENAME SAL
-----
```

```
7900 JAMES 950
7902 FORD 3000
7934 MILLER 1300
```

已选择14行。

```
SQL> --查询 员工号 员工名 员工 年薪 年收入
SQL> select empno,ename,(sal*12),(sal*12+comm) from emp;
```

```
EMPNO ENAME (SAL*12) (SAL*12+COMM)
-----
```

```
7369 SMITH 9600
7499 ALLEN 19200 19500
7521 WARD 15000 15500
7566 JONES 35700
7654 MARTIN 15000 16400
7698 BLAKE 34200
7782 CLARK 29400
7788 SCOTT 36000
7839 KING 60000
7844 TURNER 18000 18000
7876 ADAMS 13200
```

```
EMPNO ENAME (SAL*12) (SAL*12+COMM)
-----
```

```
7900 JAMES 11400
7902 FORD 36000
7934 MILLER 15600
```

已选择14行。

```
SQL> --对出错情况的解决
```

```
SQL> --无奖金无收入
```

```
SQL> /*
```

```
SQL> sql语句的控制问题
```

```
SQL> c /控制/null
```

```
SQL> 2.包含null的表达式都是null
```

```
SQL> 1.null永远!=null
```

```
SQL> *、
```

```
SQL> */
```

```
SQL> */
```

```
SP2-0042: 未知命令 "*/" - 其余行忽略。
```

```
SQL> select empno,ename,(sal*12),(sal*12+nvl(comm,0)) from emp;
```

```
EMPNO ENAME (SAL*12) (SAL*12+NVL(COMM,0))
-----
```

```
7369 SMITH 9600 9600
7499 ALLEN 19200 19500
7521 WARD 15000 15500
7566 JONES 35700 35700
7654 MARTIN 15000 16400
7698 BLAKE 34200 34200
7782 CLARK 29400 29400
7788 SCOTT 36000 36000
7839 KING 60000 60000
7844 TURNER 18000 18000
7876 ADAMS 13200 13200
```

```
EMPNO ENAME (SAL*12) (SAL*12+NVL(COMM,0))
```

```
-----
7900 JAMES 11400 11400
7902 FORD 36000 36000
7934 MILLER 15600 15600
```

已选择14行。

```
SQL> --nvl(a,b) if a=null return b else return a
SQL> ed
已写入 file afiedt.buf
```

```
1* select empno "员工号",ename "员工名", (sal*12) "年薪", (sal*12+nvl(comm,0)) "年收入" from
mp
SQL> /
```

员工号 员工名 年薪 年收入

```
-----
7369 SMITH 9600 9600
7499 ALLEN 19200 19500
7521 WARD 15000 15500
7566 JONES 35700 35700
7654 MARTIN 15000 16400
7698 BLAKE 34200 34200
7782 CLARK 29400 29400
7788 SCOTT 36000 36000
7839 KING 60000 60000
7844 TURNER 18000 18000
7876 ADAMS 13200 13200
```

员工号 员工名 年薪 年收入

```
-----
7900 JAMES 11400 11400
7902 FORD 36000 36000
7934 MILLER 15600 15600
```

已选择14行。

```
SQL> --distinct
SQL> select depton from emp;
select depton from emp
*
```

第 1 行出现错误:
ORA-00904: "DEPTON": 标识符无效

```
SQL> select deptno from emp;
```

```
DEPTNO
-----
20
30
30
20
30
```

```
30
10
20
10
30
20
```

```
DEPTNO
```

```
-----
30
20
10
```

已选择14行。

```
SQL> select distinct deptno from emp;
```

```
DEPTNO
```

```
-----
30
20
10
```

```
SQL> select connect("hello","world") from
2 dual;
```

```
select connect("hello","world") from
*
```

第 1 行出现错误:

ORA-00936: 缺失表达式

```
SQL> select concat("hello","world") from dual;
```

```
select concat("hello","world") from dual
```

```
*
```

第 1 行出现错误:

ORA-00904: "world": 标识符无效

```
SQL> select concat('hello','world') from dual;
```

```
CONCAT('HE
```

```
-----
helloworld
```

```
SQL> select ename||'的月薪是'||sal from emp;
```

```
ENAME||'的月薪是'||SAL
```

```
-----
SMITH的月薪是800
ALLEN的月薪是1600
WARD的月薪是1250
JONES的月薪是2975
MARTIN的月薪是1250
BLAKE的月薪是2850
```



```
CLARK的月薪是2450  
SCOTT的月薪是3000  
KING的月薪是5000  
TURNER的月薪是1500  
ADAMS的月薪是1100
```

```
ENAME||'的月薪是'||SAL
```

```
JAMES的月薪是950  
FORD的月薪是3000  
MILLER的月薪是1300
```

```
已选择14行。
```

```
SQL> exit</pre>
```