

数据库第二次作业

永久设置环境变量的方法

修改 `glogin.sql` 的内容，如下：

```
[Line 14] -- This script is automatically run
+ [Line 15] set pagesize 500
+ [Line 16] set linesize 138
+ [Line 17] set sqlprompt "SQL = "
+ [Line 18] set heading OFF
```

完成以下sql语句

- 列出工资在2000-3000之间（包括临界值）且没有提成的员工

```
SQL = SELECT * FROM EMP WHERE SAL BETWEEN 2000 AND 3000 AND COMM IS NULL;
```

7566	JONES	MANAGER	7839	02-4月	-81	2975	20
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
7902	FORD	ANALYST	7566	03-12月	-81	3000	20

- 列出所有和JONES同一部门的员工名字

```
SQL = SELECT ENAME FROM EMP WHERE DEPTNO=(
      SELECT DEPTNO FROM EMP WHERE ENAME='JONES');
```

SMITH
JONES
SCOTT
ADAMS
FORD

- 列出名字以S开头，名字长度为5个字符的员工

```
SQL = SELECT * FROM EMP WHERE ENAME LIKE 'S_____';
```

7369	SMITH	CLERK	7902	17-12月	-80	800	20
7788	SCOTT	ANALYST	7566	19-4月	-87	3000	20

- 在芝加哥工作的员工，并且按照工资从高到低排序

```
SQL = SELECT * FROM EMP WHERE DEPTNO = (
2     SELECT DEPTNO FROM DEPT WHERE LOC='CHICAGO')
3 ORDER BY SAL DESC;
```

7698	BLAKE	MANAGER	7839	01-5月	-81	2850	30
7499	ALLEN	SALESMAN	7698	20-2月	-81	1600	300
7844	TURNER	SALESMAN	7698	08-9月	-81	1500	0
7521	WARD	SALESMAN	7698	22-2月	-81	1250	500
7654	MARTIN	SALESMAN	7698	28-9月	-81	1250	1400
7900	JAMES	CLERK	7698	03-12月	-81	950	30

- 列出名字以J开头，总收入超过2500的员工名字

```
SQL = SELECT ENAME FROM EMP WHERE SAL+NVL(COMM, 0) > 2500 AND ENAME LIKE 'J%';
```

JONES

生成5000000条随机账号密码，导入到ORACLE列表中

生成数据

```
import random, string
l = [f"{''.join(random.sample(string.ascii_letters + string.digits, 10))} {''.join(random.sample(string.digits, 10))}"
with open('2.txt', 'w') as f:
    f.write('\n'.join(l))
```

创建表

```
SQL = create table user_info(
2  account    varchar2(10)    not null,
3  passwd     number(10)      not null);
```

表已创建。

导入数据

Load.ctl

```
OPTIONS (skip=0)
load data
INFILE '2.txt'
insert into table user_info
FIELDS TERMINATED BY ' '
trailing nullcols
(
account,
passwd
)
```

Terminal

```
sqlldr scott/tiger control=Load.ctl log=Load.log
```

导入证明

```
SQL = select * from user_info where passwd=3092476158;
```

ACCOUNT	PASSWD
9m7fFiLJUu	3092476158
3t2VWcIyOC	3092476158
qVUCK7OYmE	3092476158