

Simple SQL Queries

Create Tables

Statement

```
1 CREATE TABLE DEPT (  
2     deptNo,  
3     dName,  
4     loc  
5 ) AS SELECT * FROM DEMO_DEPTEMP.DEPT;  
6  
7 CREATE TABLE EMP (  
8     empNo,  
9     eName,  
10    job,  
11    mgr,  
12    hireDate,  
13    sal,  
14    comm,  
15    deptNo  
16 ) AS SELECT * FROM DEMO_DEPTEMP.EMP;  
17  
18 CREATE TABLE SALGRADE (  
19     grade,  
20     losal,  
21     hisal  
22 ) AS SELECT * FROM DEMO_DEPTEMP.salgrade;
```

Result

Table DEPT created.

Table EMP created.


Table SALGRADE created.

Naming columns in a result set

Statement

```
1 | SELECT DNAME DepName FROM DEPT;
```

Result


	 DEPNAME	
1	ACCOUNTING	
2	RESEARCH	
3	SALES	
4	OPERATIONS	

Removing duplicate records

Statement

```
1 | SELECT DISTINCT job FROM EMP;
```

Result

	 JOB	
1	CLERK	
2	SALESMAN	
3	PRESIDENT	
4	MANAGER	
5	ANALYST	

Date Format

Statement

```
1 | SELECT EMPNO, ENAME, TO_CHAR(HIREDATE, 'DD.MONTH YYYY') FROM EMP;
```

Result

	EMPNO	ENAME	TO_CHAR(HIREDATE,'DD.MONTHYYYY')	
1	7369	SMITH	17.DECEMBER	1980
2	7499	ALLEN	20.FEBRUARY	1981
3	7521	WARD	22.FEBRUARY	1981
4	7566	JONES	02.APRIL	1981
5	7654	MARTIN	28.SEPTEMBER	1981
6	7698	BLAKE	01.MAY	1981
7	7782	CLARK	09.JUNE	1981
8	7788	SCOTT	09.DECEMBER	1982
9	7839	KING	17.NOVEMBER	1981
10	7844	TURNER	08.SEPTEMBER	1981
11	7876	ADAMS	12.JANUARY	1983
12	7900	JAMES	03.DECEMBER	1981
13	7902	FORD	03.DECEMBER	1981
14	7934	MILLER	23.JANUARY	1982

Date Calculations

Statement

```
1 | SELECT ENAME, CURRENT_DATE - HIREDATE DAYS FROM EMP;
```

Result

	EMPNO	ENAME	TO_CHAR(HIREDATE,'DD.MONTHYYYY')	
1	7369	SMITH	17.DECEMBER	1980
2	7499	ALLEN	20.FEBRUARY	1981
3	7521	WARD	22.FEBRUARY	1981
4	7566	JONES	02.APRIL	1981
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14	7934	MILLER	23.JANUARY	1982

Upper bounds

Statement

```
1 | SELECT MAX(SAL) FROM EMP;
```

Result

	MAXIMUM
1	5000

Lower bounds

Statement

```
1 | SELECT MIN(SAL) FROM EMP;
```

Result


	 MINIMUM
1	800

Average

Statement

```
1 | SELECT AVG(SAL) FROM EMP;
```

Result


	 AVERAGE
1	2073,214285714285714285714285714285714286

Simple Counting

Statement

```
1 | SELECT COUNT(EMPNO) FROM EMP;
```

Result

	 COUNT(EMPNO)
1	14

Counting unique Results

Statement

```
1 | SELECT COUNT(DISTINCT JOB) FROM EMP;
```

Result

	COUNT(DISTINCTJOB)
1	5