SQL> select \* from emp;

EMPNO ENAME JOB MGR HIREDATE SAL COMM

---------- ---------- --------- ---------- --------- ---------- ----------

DEPTNO

----------

7369 SMITH CLERK 7902 17-DEC-80 800

20

7499 ALLEN SALESMAN 7698 20-FEB-81 1600 300

30

7521 WARD SALESMAN 7698 22-FEB-81 1250 500

30

EMPNO ENAME JOB MGR HIREDATE SAL COMM

---------- ---------- --------- ---------- --------- ---------- ----------

DEPTNO

----------

7566 JONES MANAGER 7839 02-APR-81 2975

20

7654 MARTIN SALESMAN 7698 28-SEP-81 1250 1400

30

7698 BLAKE MANAGER 7839 01-MAY-81 2850

30

EMPNO ENAME JOB MGR HIREDATE SAL COMM

---------- ---------- --------- ---------- --------- ---------- ----------

DEPTNO

----------

7782 CLARK MANAGER 7839 09-JUN-81 2450

10

7788 SCOTT ANALYST 7566 19-APR-87 3000

20

7839 KING PRESIDENT 17-NOV-81 5000

10

EMPNO ENAME JOB MGR HIREDATE SAL COMM

---------- ---------- --------- ---------- --------- ---------- ----------

DEPTNO

----------

7844 TURNER SALESMAN 7698 08-SEP-81 1500 0

30

7876 ADAMS CLERK 7788 23-MAY-87 1100

20

7900 JAMES CLERK 7698 03-DEC-81 950

30

EMPNO ENAME JOB MGR HIREDATE SAL COMM

---------- ---------- --------- ---------- --------- ---------- ----------

DEPTNO

----------

7902 FORD ANALYST 7566 03-DEC-81 3000

20

7934 MILLER CLERK 7782 23-JAN-82 1300

10

14 rows selected.

SQL> select count(distinct job) from emp;

COUNT(DISTINCTJOB)

------------------

5

SQL> select sum(sal) from emp;

SUM(SAL)

----------

29025

SQL> select max(sal), min(sal), avg(sal) from emp;

MAX(SAL) MIN(SAL) AVG(SAL)

---------- ---------- ----------

5000 800 2073.21429

SQL> select max(sal) from emp

2 where JOB='SALESMAN';

MAX(SAL)

----------

1600

SQL> select avg(sal) from emp

2 having deptno='20';

having deptno='20'

\*

ERROR at line 2:

ORA-00979: not a GROUP BY expression

SQL> select avg(sal) from emp

2 having DEPTNO='20';

having DEPTNO='20'

\*

ERROR at line 2:

ORA-00979: not a GROUP BY expression

SQL> select avg(sal) from emp

2 WHERE DEPTNO='20';

AVG(SAL)

----------

2175

SQL> select count(distinct DEPTNO) FROM EMP;

COUNT(DISTINCTDEPTNO)

---------------------

3

SQL> SELECT COUNT(\*) FROM EMP

2 GROUP BY DEPT NO;

GROUP BY DEPT NO

\*

ERROR at line 2:

ORA-00933: SQL command not properly ended

SQL> SELECT COUNT(\*),DEPTNO FROM EMP

2 GROUP BY DEPTNO;

COUNT(\*) DEPTNO

---------- ----------

6 30

5 20

3 10

SQL>

SQL> SELECT COUNT(\*) FROM EMP

2 WHERE DEPTNO='10';

COUNT(\*)

----------

3

SQL> SELECT COUNT(\*) FROM EMP

2 WHERE JOB='MANAGER';

COUNT(\*)

----------

3

SQL> select w.ename||' reports to '||m.ename from emp

2 w, emp m

3 where w.mgr=m.empno;

W.ENAME||'REPORTSTO'||M.ENAME

--------------------------------

FORD reports to JONES

SCOTT reports to JONES

TURNER reports to BLAKE

ALLEN reports to BLAKE

WARD reports to BLAKE

JAMES reports to BLAKE

MARTIN reports to BLAKE

MILLER reports to CLARK

ADAMS reports to SCOTT

BLAKE reports to KING

JONES reports to KING

W.ENAME||'REPORTSTO'||M.ENAME

--------------------------------

CLARK reports to KING

SMITH reports to FORD

13 rows selected.