

Output Screenshot

```
table dropped.
SQL> create table emp(empno integer,ename varchar(19),job varchar(19),mgr integer,hiredate date,sal integer,comm integer,deptno integer);
Table created.
SQL> insert into emp values(7369,'Smith','Clerk',7902,'17-dec-88',800,20,10);
1 row created.
SQL> insert into emp values(7499,'Allen','salesman',7698,'20-FEB-81',1600,300,30);
1 row created.
SQL> insert into emp values(7521,'Ward','salesman',7698,'22-FEB-81',1250,500,30);
1 row created.
SQL> insert into emp values(7566,'Jones','Manager',7839,'02-APR-81',2975,20,20);
1 row created.
SQL> insert into emp values(7654,'Martin','Salesman',7695,'28-SEP-81',1250,1400,30);
1 row created.
SQL> insert into emp values(7698,'Blake','Manager',7839,'01-MAY-81',2050,30,20);
1 row created.
SQL> insert into emp values(7782,'Clark','Manager',7839,'09-JUN-81',2540,10,40);
1 row created.
SQL> insert into emp values(7788,'Scott','Analyst',7566,'19-APR-87',3000,20,40);
1 row created.
SQL> insert into emp values(7839,'King','President',NULL,'17-NOV-81',5000,10,NULL);
1 row created.
SQL> insert into emp values(7844,'Turner','Salesman',7698,'08-SEP-81',1500,0,30);
1 row created.
SQL> insert into emp values(7876,'Adamas','Clerk',7788,'23-MAY-87',1100,20,40);
1 row created.
```

```
SQL> insert into emp values(7654,'Martin','Salesman',7695,'28-SEP-81',1250,1400,30);
1 row created.
SQL> insert into emp values(7698,'Blake','Manager',7839,'01-MAY-81',2050,30,20);
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SQL> insert into emp values(7844,'Turner','Salesman',7698,'08-SEP-81',1500,0,30);
1 row created.
SQL> insert into emp values(7876,'Adamas','Clerk',7788,'23-MAY-87',1100,20,40);
1 row created.
SQL> insert into emp values(7900,'James','Clerk',7698,'03-DEC-81',950,30,10);
1 row created.
SQL> insert into emp values(7902,'Ford','Analyst',7566,'02-DEC-21',3000,20,10);
1 row created.
SQL> insert into emp values(7934,'Miller','Clerk',7782,'23-JAN-82',1300,10,20);
1 row created.
SQL> select * from emp;
```

EMPNO	ENAME	JOB	MGR	HIREDATE
7369	Smith	Clerk	7902	17-DEC-88
800				
	COMM	DEPTNO		
	20	10		

```

1 row created.
SQL> select * from emp;

```

EMPNO	ENAME	JOB	MGR	HIREDATE
7369	Smith	Clerk	7902	17-DEC-80
7499	Allen	salesman	7698	20-FEB-81
7521	Ward	salesman	7698	22-FEB-81
7566	Jones	Manager	7839	02-APR-81
7654	Martin	Salesman	7695	28-SEP-81
7698	Blake	Manager	7839	01-MAY-81
7782	Clark	Manager	7839	09-JUN-81
7788	Scott	Analyst	7566	19-APR-87
7839	King	President		17-NOV-81

```

SQL>

```

```

Table created.
SQL> insert into dept values(10,'Accounting','New York');
1 row created.
SQL> insert into dept values(20,'Research','Dallas');
1 row created.
SQL> insert into dept values(30,'Sales','Chicago');
1 row created.
SQL> insert into dept values(40,'Operations','Boston');
1 row created.
SQL> select * from dept;

```

DEPTNO	DNAME	LOC
10	Accounting	New York
20	Research	Dallas
30	Sales	Chicago
40	Operations	Boston

```

SQL> select ename,sal from emp where sal>(select sal from emp where empno=7566);

```

ENAME	SAL
Scott	3000
King	5000
Ford	3000

```

SQL> select ename from emp where job=(select job from emp where empno=7369) and sal >(select sal from emp where empno=7876);

```

ENAME
Miller

```

SQL> select ename,job,sal from emp where sal=(select min(sal) from emp);

```

ENAME	JOB	SAL
Smith	Clerk	800

```

SQL> select min(sal),deptno from emp group by deptno having min(sal)>(select min(sal) from emp where deptno=20);

```

```
SQL> select ename from emp where job=(select job from emp where empno=7369) and sal > (select sal from emp where empno=7876);
```

```
ENAME
-----
Miller
```

```
SQL> select ename,job,sal from emp where sal=(select min(sal) from emp);
```

```
ENAME      JOB      SAL
-----
Smith      Clerk      800
```

```
SQL> select min(sal),deptno from emp group by deptno having min(sal)>(select min(sal) from emp where deptno=20);
```

```
MIN(SAL)  DEPTNO
-----
5000
```

```
SQL> select empno,ename,job from emp where job<>'Clerk' and sal< any (select sal from emp where job='Clerk');
```

```
EMPNO ENAME      JOB
-----
7521 Ward      salesman
7654 Martin    Salesman
```

```
SQL> select empno,ename,job from emp where sal> all (select avg(sal) from emp group by deptno);
```

```
no rows selected
```

```
SQL> select ename,deptno,sal,comm from emp where deptno<>30 and sal=any(select sal from emp where deptno=30) and comm=any(select comm from emp where deptno=30);
```

```
no rows selected
```

```
SQL> █
```