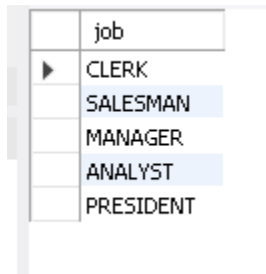


i. Select unique job from EMP table

Query- Select unique job from EMP table

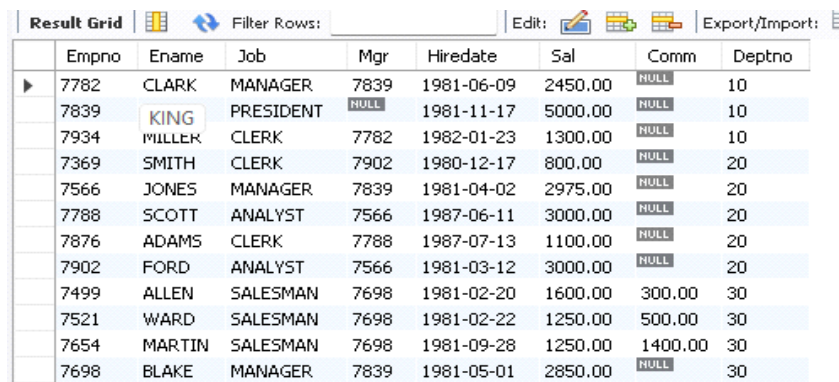


A screenshot of a database query result showing a list of unique job titles. The list is displayed in a vertical column with a search bar at the top. The job titles are: CLERK, SALESMAN, MANAGER, ANALYST, and PRESIDENT. The 'ANALYST' row is highlighted in blue.

| job |
|-----------|
| CLERK |
| SALESMAN |
| MANAGER |
| ANALYST |
| PRESIDENT |

ii. List the details of the emps in asc order of the Deptnos and desc of Jobs?

Query-select * from emp order by deptno asc;

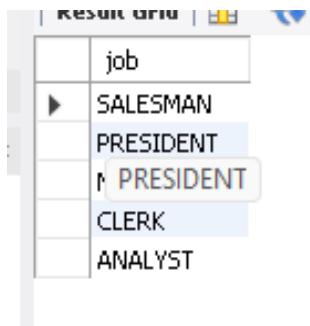


A screenshot of a database query result showing employee details. The table has columns: Empno, Ename, Job, Mgr, Hiredate, Sal, Comm, and Deptno. The data is ordered by department number (Deptno) in ascending order, and within each department, by job title in descending order. The 'KING' row is highlighted in blue.

| Empno | Ename | Job | Mgr | Hiredate | Sal | Comm | Deptno |
|-------|--------|-----------|------|------------|---------|---------|--------|
| 7782 | CLARK | MANAGER | 7839 | 1981-06-09 | 2450.00 | NULL | 10 |
| 7839 | KING | PRESIDENT | NULL | 1981-11-17 | 5000.00 | NULL | 10 |
| 7934 | MILLER | CLERK | 7782 | 1982-01-23 | 1300.00 | NULL | 10 |
| 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
| 7566 | JONES | MANAGER | 7839 | 1981-04-02 | 2975.00 | NULL | 20 |
| 7788 | SCOTT | ANALYST | 7566 | 1987-06-11 | 3000.00 | NULL | 20 |
| 7876 | ADAMS | CLERK | 7788 | 1987-07-13 | 1100.00 | NULL | 20 |
| 7902 | FORD | ANALYST | 7566 | 1981-03-12 | 3000.00 | NULL | 20 |
| 7499 | ALLEN | SALESMAN | 7698 | 1981-02-20 | 1600.00 | 300.00 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 1981-02-22 | 1250.00 | 500.00 | 30 |
| 7654 | MARTIN | SALESMAN | 7698 | 1981-09-28 | 1250.00 | 1400.00 | 30 |
| 7698 | BLAKE | MANAGER | 7839 | 1981-05-01 | 2850.00 | NULL | 30 |

iii. Display all the unique job groups in the descending order?

Query-select distinct job from emp order by job desc;



A screenshot of a database query result showing unique job groups in descending order. The list is displayed in a vertical column with a search bar at the top. The job titles are: SALESMAN, PRESIDENT, PRESIDENT, CLERK, and ANALYST. The 'PRESIDENT' row is highlighted in blue.

| job |
|-----------|
| SALESMAN |
| PRESIDENT |
| PRESIDENT |
| CLERK |
| ANALYST |

iv. List the emps who joined before 1981.

Query-select *from emp where year(Hiredate)<1981;

| Result Grid | | | | | | | | |
|----------------------|-------|-------|-------|------|------------|--------|------|--------|
| Filter Rows: | | | | | | | | |
| Edit: Export/Import: | | | | | | | | |
| | Empno | Ename | Job | Mgr | Hiredate | Sal | Comm | Deptno |
| ▶ | 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
| ✱ | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

v. List the Empno, Ename, Sal, Daily sal of all emps in the asc order of Annsal.

Query-select empno,ename,sal,sal/30 as dailysal from emp order by sal asc;

| Result Grid | | | | |
|----------------------|-------|---------|---------|------------|
| Filter Rows: | | | | |
| Edit: Export/Import: | | | | |
| | empno | ename | sal | dailysal |
| ▶ | 7369 | SMITH | 800.00 | 26.666667 |
| | 7900 | JAMES | 950.00 | 31.666667 |
| | 7876 | ADAMS | 1100.00 | 36.666667 |
| | 7521 | 7876 3D | 1250.00 | 41.666667 |
| | 7654 | MARTIN | 1250.00 | 41.666667 |
| | 7934 | MILLER | 1300.00 | 43.333333 |
| | 7844 | TURNER | 1500.00 | 50.000000 |
| | 7499 | ALLEN | 1600.00 | 53.333333 |
| | 7782 | CLARK | 2450.00 | 81.666667 |
| | 7698 | BLAKE | 2850.00 | 95.000000 |
| | 7566 | JONES | 2975.00 | 99.166667 |
| | 7788 | SCOTT | 3000.00 | 100.000000 |

Result 3 x

-- vi. List the Empno, Ename, Sal, Exp of all emps working for Mgr 7689.

Query - select job,empno,ename,sal,Mgr, DATEDIFF(CURDATE(), hiredate)/365 AS Experience from emp where Mgr=7698 ;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

| | job | empno | ename | sal | Mgr | Experience |
|---|----------|-------|--------|---------|------|------------|
| ▶ | SALESMAN | 7499 | ALLEN | 1600.00 | 7698 | 43.4849 |
| | SALESMAN | 7521 | WARD | 1250.00 | 7698 | 43.4795 |
| | SALESMAN | 7654 | MARTIN | 1250.00 | 7698 | 42.8822 |
| | SALESMAN | 7844 | TURNER | 1500.00 | 7698 | 43.0192 |
| | CLERK | 7900 | JAMES | 950.00 | 7698 | 43.4301 |

vii. Display all the details of the emps who's Comm. Is more than their Sal?

Query- select * from emp where comm > sal;

Result Grid

Filter Rows:







Edit:

Export/Import:

| | Empno | Ename | Job | Mgr | Hiredate | Sal | Comm | Deptno |
|---|-------|--------|----------|------|------------|---------|---------|--------|
| ▶ | 7654 | MARTIN | SALESMAN | 7698 | 1981-09-28 | 1250.00 | 1400.00 | 30 |
| ★ | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

viii. List the emps who are either 'CLERK' or 'ANALYST' in the Desc order.

Query- select * from emp where job = "CLERK" OR job = "ANALYST" order by job desc;

| | | | | | | | | | | | |
|-------------|-------|---|---|--------------|----------------------|---------|---|---|---|----------------|---|
| Result Grid | |  |  | Filter Rows: | <input type="text"/> | Edit: |  |  |  | Export/Import: |  |
| | Empno | Ename | Job | Mgr | Hiredate | Sal | Comm | Deptno | | | |
| ▶ | 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 | | | |
| | 7876 | ADAMS | CLERK | 7788 | 1987-07-13 | 1100.00 | NULL | 20 | | | |
| | 7900 | JAMES | CLERK | 7698 | 1981-03-12 | 950.00 | NULL | 30 | | | |
| | 7934 | MILLER | CLERK | 7782 | 1982-01-23 | 1300.00 | NULL | 10 | | | |
| | 7788 | SCOTT | ANALYST | 7566 | 1987-06-11 | 3000.00 | NULL | 20 | | | |
| | 7902 | FORD | ANALYST | 7566 | 1981-03-12 | 3000.00 | NULL | 20 | | | |
| ★ | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | | | |

ix. List the emps Who Annual sal ranging from 22000 and 45000.

Query- select Ename,sal*12 as annualsal from emp WHERE (sal * 12) between 22000 and 45000;

| | Ename | annualsal |
|---|-------|-----------|
| ▶ | JONES | 35700.00 |
| | BLAKE | 34200.00 |
| | CLARK | 29400.00 |
| | SCOTT | 36000.00 |
| | FORD | 36000.00 |

x. List the Enames those are starting with 'S' and with five characters.

Query- select*from emp where Ename like 's_____';

| | Empno | Ename | Job | Mgr | Hiredate | Sal | Comm | Deptno |
|---|-------|-------|---------|------|------------|---------|------|--------|
| ▶ | 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
| | 7788 | SCOTT | ANALYST | 7566 | 1987-06-11 | 3000.00 | NULL | 20 |
| ★ | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

xi. List the emps whose Empno not starting with digit78.

Query- select*from emp where empno not like '78%';

| | Empno | Ename | Job | Mgr | Hiredate | Sal | Comm | Deptno |
|---|-------|--------|----------|------|------------|---------|---------|--------|
| ▶ | 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
| | 7499 | ALLEN | SALESMAN | 7698 | 1981-02-20 | 1600.00 | 300.00 | 30 |
| | 7521 | WARD | SALESMAN | 7698 | 1981-02-22 | 1250.00 | 500.00 | 30 |
| | 7566 | JONES | MANAGER | 7839 | 1981-04-02 | 2975.00 | NULL | 20 |
| | 7654 | MARTIN | SALESMAN | 7698 | 1981-09-28 | 1250.00 | 1400.00 | 30 |
| | 7698 | BLAKE | MANAGER | 7839 | 1981-05-01 | 2850.00 | NULL | 30 |
| | 7782 | CLARK | MANAGER | 7839 | 1981-06-09 | 2450.00 | NULL | 10 |
| | 7788 | SCOTT | ANALYST | 7566 | 1987-06-11 | 3000.00 | NULL | 20 |
| | 7900 | JAMES | CLERK | 7698 | 1981-03-12 | 950.00 | NULL | 30 |
| | 7902 | FORD | ANALYST | 7566 | 1981-03-12 | 3000.00 | NULL | 20 |
| | 7934 | MILLER | CLERK | 7782 | 1982-01-23 | 1300.00 | NULL | 10 |
| * | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

emp 9 x

xii. List all the Clerks of Deptno 20.

Query- select* from emp where Job="Clerk" and Deptno =20;

| | Empno | Ename | Job | Mgr | Hiredate | Sal | Comm | Deptno |
|---|-------|-------|-------|------|------------|---------|------|--------|
| ▶ | 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
| | 7876 | ADAMS | CLERK | 7788 | 1987-07-13 | 1100.00 | NULL | 20 |
| * | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

xiii. List the Emps who are senior to their own MGRS.

Query-

-- xiv. List the Emps of Deptno 20 who's Jobs are same as Deptno10

Query- SELECT *

FROM EMP E1

WHERE E1.DEPTNO = 20

AND E1.JOB IN (

SELECT E2.JOB

FROM EMP E2

WHERE E2.DEPTNO = 10

);

Result Grid

Filter Rows:

Edit:

Export/Import:

| | Empno | Ename | Job | Mgr | Hiredate | Sal | Comm | Deptno |
|---|-------|-------|---------|------|------------|---------|------|--------|
| ▶ | 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
| | 7566 | JONES | MANAGER | 7839 | 1981-04-02 | 2975.00 | NULL | 20 |
| | 7876 | ADAMS | CLERK | 7788 | 1987-07-13 | 1100.00 | NULL | 20 |
| * | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

xv. List the Emps who's Sal is same as FORD or SMITH in desc order of Sal.

Query- select * from emp where sal IN(select sal from emp where Ename="SMITH" OR Ename="FORD");

| | | | | | | | | |
|-------------|-------|--------------|---------|-------|------------|----------------|------|--------|
| Result Grid | | Filter Rows: | | Edit: | | Export/Import: | | |
| | Empno | Ename | Job | Mgr | Hiredate | Sal | Comm | Deptno |
| ▶ | 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
| | 7788 | SCOTT | ANALYST | 7566 | 1987-06-11 | 30 800.00 | NULL | 20 |
| | 7902 | FORD | ANALYST | 7566 | 1981-03-12 | 3000.00 | NULL | 20 |
| * | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

-- xvi. List the emps whose jobs same as SMITH or ALLEN.

Query- select * from emp where job In(
select job from emp where ename="Smith" or ename="Allen");

| Result Grid | | | | | | | | |
|----------------|-------|--------|----------|------|------------|---------|---------|--------|
| Filter Rows: | | | | | | | | |
| Edit: | | | | | | | | |
| Export/Import: | | | | | | | | |
| | Empno | Ename | Job | Mgr | Hiredate | Sal | Comm | Deptno |
| ▶ | 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
| | 7499 | ALLEN | SALESMAN | 7698 | 1981-02-20 | 1600.00 | 300.00 | 30 |
| | 7521 | WARD | SALESMAN | 7698 | 1981-02-22 | 1250.00 | 500.00 | 30 |
| | 7654 | MARTIN | SALESMAN | 7698 | 1981-09-28 | 1250.00 | 1400.00 | 30 |
| | 7844 | TURNER | SALESMAN | 7698 | 1981-08-09 | 1500.00 | 0.00 | 30 |
| | 7876 | ADAMS | CLERK | 7788 | 1987-07-13 | 1100.00 | NULL | 20 |
| | 7900 | JAMES | CLERK | 7698 | 1981-03-12 | 950.00 | NULL | 30 |
| | 7934 | MILLER | CLERK | 7782 | 1982-01-23 | 1300.00 | NULL | 10 |
| • | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

xvii. Any jobs of deptno 10 those that are not found in deptno 20

Query- select job from emp where deptno= 10 and job not in(
select job from emp where deptno=20);

| Result Grid | |
|-------------|-----------|
| job | |
| ▶ | PRESIDENT |

xviii. Find the highest sal of EMP table.

Query- select max(sal) as Highestsal from emp;

| Result Grid | |
|-------------|---------|
| Filter R | |
| Highestsal | |
| ▶ | 5000.00 |

xix. Find details of highest paid employee.

Query- select * from emp where sal=
(select max(sal) as Highestsal from emp);

| Result Grid | | | | | | | | |
|--------------|-------|-------|-----------|------|------------|----------------|------|--------|
| Filter Rows: | | | Edit: | | | Export/Import: | | |
| | Empno | Ename | Job | Mgr | Hiredate | Sal | Comm | Deptno |
| ▶ | 7839 | KING | PRESIDENT | NULL | 1981-11-17 | 5000.00 | NULL | 10 |
| ✱ | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

xx. Find the total sal given to the MGR.

Query- select job,sum(sal) as totalsum from emp group by job having job="Manager";

| Result Grid | | |
|-------------|---------|----------|
| Filter Row | | |
| | job | totalsum |
| ▶ | MANAGER | 8275.00 |

xxi. List the emps whose names contains 'A'.

select*from emp where ename like'A%';

| Result Grid | | | | | | | | |
|--------------|-------|-------|----------|------|------------|----------------|--------|--------|
| Filter Rows: | | | Edit: | | | Export/Import: | | |
| | Empno | Ename | Job | Mgr | Hiredate | Sal | Comm | Deptno |
| ▶ | 7499 | ALLEN | SALESMAN | 7698 | 1981-02-20 | 1600.00 | 300.00 | 30 |
| ▶ | 7876 | ADAMS | CLERK | 7788 | 1987-07-13 | 1100.00 | NULL | 20 |
| ✱ | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

-- xxi. Find all the emps who earn the minimum Salary for each job wise in ascending order

Query- SELECT e1.ename, e1.sal ,e1.job

FROM emp e1

JOIN (

SELECT job, MIN(sal) AS minsalary

FROM emp

GROUP BY job

```
) e2 ON e1.job = e2.job AND e1.sal = e2.minsalary order by sal;
```

| | ename | sal | job |
|---|--------|---------|-----------|
| ▶ | SMITH | 800.00 | CLERK |
| | WARD | 1250.00 | SALESMAN |
| | MARTIN | 1250.00 | SALESMAN |
| | CLARK | 2450.00 | MANAGER |
| | SCOTT | 3000.00 | ANALYST |
| | FORD | 3000.00 | ANALYST |
| | KING | 5000.00 | PRESIDENT |

xxiii. List the emps whose sal greater than Blake's sal.

```
select *from emp where sal>(
```

```
select sal from emp where ename="Blake");
```

[illegible]

