

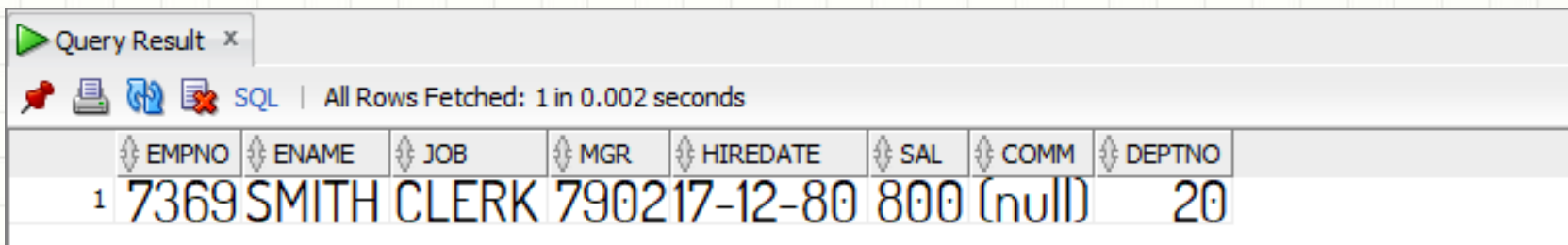


SQL DAY2

**PRESENTED BY
A.RAJSARANYA**

TO DISPLAY THE PARTICULAR INFORMATION USING WHERE CONDITION

- **Select * from TABLENAME where THE CONDITION;**
- **Select * from Emp where ename = 'SMITH';**

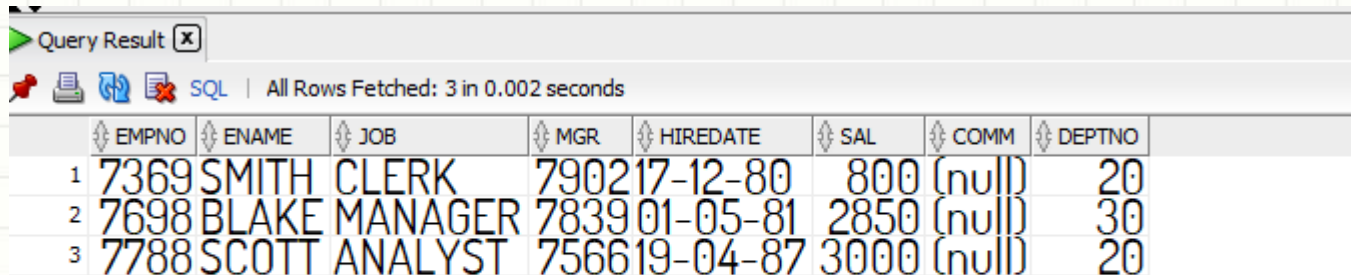


The screenshot shows a 'Query Result' window with a toolbar containing icons for a pin, print, refresh, and SQL editor. The status bar indicates 'All Rows Fetched: 1 in 0.002 seconds'. The table below has columns EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, and DEPTNO. The first row contains the data for employee SMITH.

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-12-80	800	(null)	20

TO SHOW MULTIPLE VALUES OF PARTICULAR COLOUMN

- **Select * from TABLENAME where COLOUMNNAME IN ('ARGUMENT1','ARGUMENT2',...);**
- **Select * from Emp where Ename in('SMITH' , 'BLAKE' , 'SCOTT');**



Query Result [X]

SQL | All Rows Fetched: 3 in 0.002 seconds

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-12-80	800	(null)	20
2	7698	BLAKE	MANAGER	7839	01-05-81	2850	(null)	30
3	7788	SCOTT	ANALYST	7566	19-04-87	3000	(null)	20

TO SHOW MULTIPLE VALUES OF PARTICULAR COLOUMN EXCEPT THE GIVEN IN ARGUMENT

- **Select * from TABLENAME where COLOUMNNAME NOT IN ('ARGUMENT1','ARGUMENT2',...);**
- **Select * from Emp where Ename in('SMITH' , 'BLAKE' , 'SCOTT');**

Query Result x

SQL | All Rows Fetched: 11 in 0.003 seconds

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7499	ALLEN	SALESMAN	7698	20-02-81	1600	300	30
2	7521	WARD	SALESMAN	7698	22-02-81	1250	500	30
3	7566	JONES	MANAGER	7839	02-04-81	2975	(null)	20
4	7654	MARTIN	SALESMAN	7698	28-09-81	1250	1400	30
5	7782	CLARK	MANAGER	7839	09-06-81	2450	(null)	10
6	7839	KING	PRESIDENT	(null)	17-11-81	5000	(null)	10
7	7844	TURNER	SALESMAN	7698	08-09-81	1500	0	30
8	7876	ADAMS	CLERK	7788	23-05-87	1100	(null)	20
9	7900	JAMES	CLERK	7698	03-12-81	950	(null)	30
10	7902	FORD	ANALYST	7566	03-12-81	3000	(null)	20

TO DISPLAY THE VALUES OF PARTICULAR COLOUMN EXCEPT THE GIVEN IN ARGUMENT

- Select * from TABLENAME where COLOUMNNAME NOT IN ('ARGUMENT1','ARGUMENT2',...);
- Select * from Emp where Ename in('SMITH' , 'BLAKE' , 'SCOTT');

Query Result x

SQL | All Rows Fetched: 11 in 0.003 seconds

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7499	ALLEN	SALESMAN	7698	20-02-81	1600	300	30
2	7521	WARD	SALESMAN	7698	22-02-81	1250	500	30
3	7566	JONES	MANAGER	7839	02-04-81	2975	(null)	20
4	7654	MARTIN	SALESMAN	7698	28-09-81	1250	1400	30
5	7782	CLARK	MANAGER	7839	09-06-81	2450	(null)	10
6	7839	KING	PRESIDENT	(null)	17-11-81	5000	(null)	10
7	7844	TURNER	SALESMAN	7698	08-09-81	1500	0	30
8	7876	ADAMS	CLERK	7788	23-05-87	1100	(null)	20
9	7900	JAMES	CLERK	7698	03-12-81	950	(null)	30
10	7902	FORD	ANALYST	7566	03-12-81	3000	(null)	20

TO DISPLAY THE VALUES OF PARTICULAR COLOUMN WITHIN CERTAIN INTERVAL USING BETWEEN

- Select * from TABLENAME where COLOUMNNAME BETWEEN THE VALUE1 AND VALUE2;
- Select * from Emp where sal between 2000 and 3000;

Query Result x

SQL | All Rows Fetched: 5 in 0.002 seconds

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7566	JONES	MANAGER	7839	02-04-81	2975	(null)	20
2	7698	BLAKE	MANAGER	7839	01-05-81	2850	(null)	30
3	7782	CLARK	MANAGER	7839	09-06-81	2450	(null)	10
4	7788	SCOTT	ANALYST	7566	19-04-87	3000	(null)	20
5	7902	FORD	ANALYST	7566	03-12-81	3000	(null)	20

TO DISPLAY THE VALUES OF PARTICULAR COLOUMN WITHIN CERTAIN INTERVAL USING NOT BETWEEN

- Select * from TABLENAME where COLOUMNNAME NOT BETWEEN THE VALUE1 AND VALUE2;
- Select * from Emp where Sal not between 2000 and 3000;

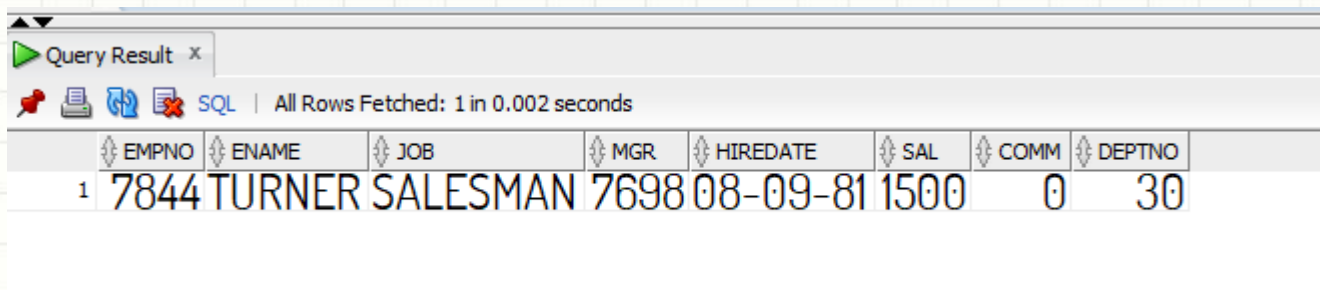
Query Result x

SQL | All Rows Fetched: 9 in 0.003 seconds

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-12-80	800	(null)	20
2	7499	ALLEN	SALESMAN	7698	20-02-81	1600	300	30
3	7521	WARD	SALESMAN	7698	22-02-81	1250	500	30
4	7654	MARTIN	SALESMAN	7698	28-09-81	1250	1400	30
5	7839	KING	PRESIDENT	(null)	17-11-81	5000	(null)	10
6	7844	TURNER	SALESMAN	7698	08-09-81	1500	0	30
7	7876	ADAMS	CLERK	7788	23-05-87	1100	(null)	20
8	7900	JAMES	CLERK	7698	03-12-81	950	(null)	30
9	7934	MILLER	CLERK	7782	23-01-82	1300	(null)	10

TO DISPLAY THE EACH CHARACTER OF VALUES OF PARTICULAR COLOUMN USING LIKE

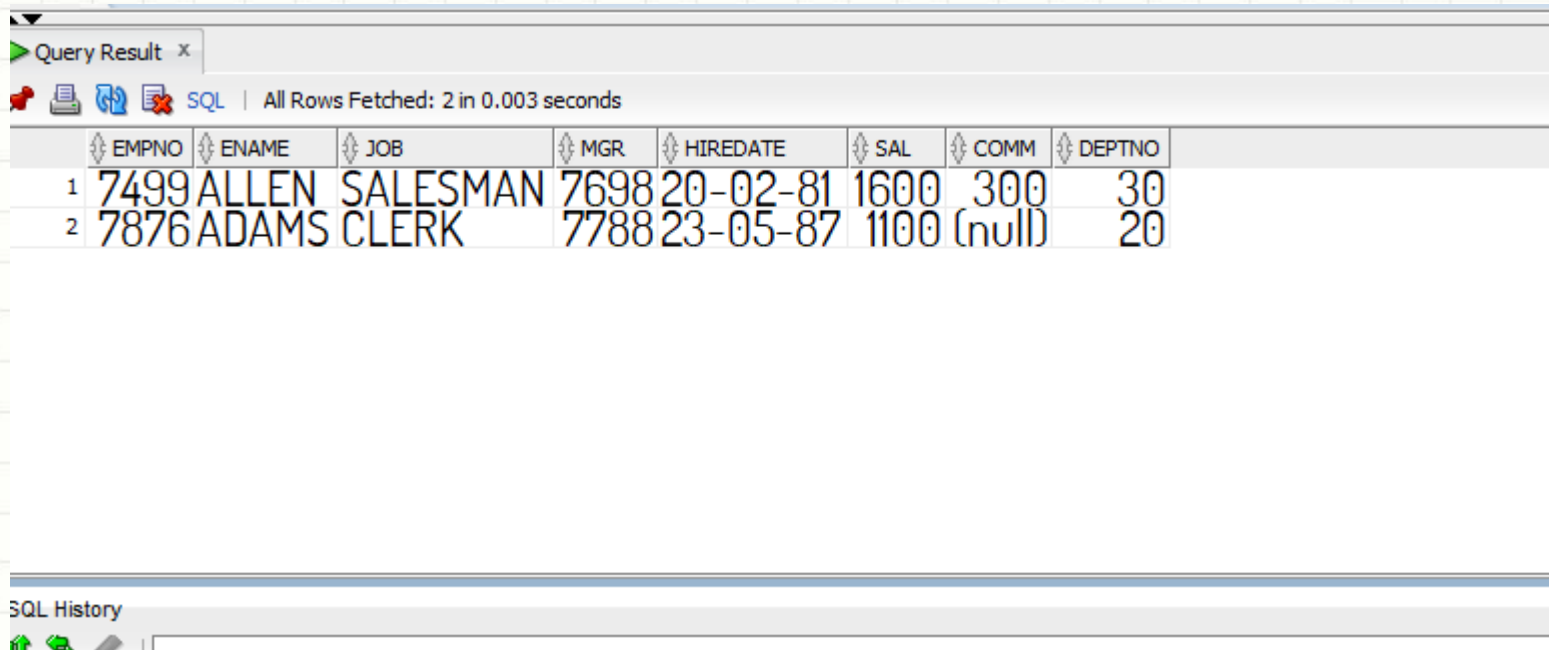
- Select * from TABLENAME where COLOUMNNNAME LIKE ' %VALUE';
- % MEAN THE OVERALL CHARACTER BEFORE THE VALUES
- Select * from Emp where Sal like '%500';



The screenshot shows a 'Query Result' window with a table of employee data. The table has columns: EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, and DEPTNO. The first row contains the data for employee 7844, TURNER, a SALESMAN, with a salary of 1500 and a commission of 0.

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7844	TURNER	SALESMAN	7698	08-09-81	1500	0	30

- Select * from TABLENAME where COLOUMNNAME LIKE 'VALUE %';
- % MEAN THE OVERALL CHARACTER AFTER THE
- Select * from EMp where Ename like 'A%'; VALUES



The screenshot shows a 'Query Result' window with a table of employee data. The table has columns: EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, and DEPTNO. Two rows are displayed: Row 1 for employee ALLEN (EMPNO 7499) and Row 2 for employee ADAMS (EMPNO 7876). The status bar indicates 'All Rows Fetched: 2 in 0.003 seconds'.

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7499	ALLEN	SALESMAN	7698	20-02-81	1600	300	30
2	7876	ADAMS	CLERK	7788	23-05-87	1100	(null)	20

SQL History

- Select * from TABLENAME where COLOUMNNNAME LIKE '_VALUE';
- _ MEAN THE EACH CHARACTER BEFORE THE VALUES
- % MEAN THE OVERALL CHARACTER BEGORE THE VALUES
- Select * from Emp where Ename like '_A%' or Ename like '_E%' or Ename like '_I%' or Ename like '_O%' or EName like '_U%'
- or Ename like '_U%';

Query Result x

SQL | All Rows Fetched: 8 in 0.005 seconds

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7521	WARD	SALESMAN	7698	22-02-81	1250	500	30
2	7566	JONES	MANAGER	7839	02-04-81	2975	(null)	20
3	7654	MARTIN	SALESMAN	7698	28-09-81	1250	1400	30
4	7839	KING	PRESIDENT	(null)	17-11-81	5000	(null)	10
5	7844	TURNER	SALESMAN	7698	08-09-81	1500	0	30
6	7900	JAMES	CLERK	7698	03-12-81	950	(null)	30
7	7902	FORD	ANALYST	7566	03-12-81	3000	(null)	20
8	7934	MILLER	CLERK	7782	23-01-82	1300	(null)	10

TO DISPLAY THE EACH CHARACTER OF VALUES OF PARTICULAR COLOUMN USING NOT LIKE

- Select * from TABLENAME where COLOUMNNAME NOT LIKE ' %VALUE';
- % MEAN THE OVERALL CHARACTER BEFORE THE VALUES
- Select * from Emp where Sal not like '%500';

Query Result x

All Rows Fetched: 13 in 0.005 seconds

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-12-80	800	(null)	20
2	7499	ALLEN	SALESMAN	7698	20-02-81	1600	300	30
3	7521	WARD	SALESMAN	7698	22-02-81	1250	500	30
4	7566	JONES	MANAGER	7839	02-04-81	2975	(null)	20
5	7654	MARTIN	SALESMAN	7698	28-09-81	1250	1400	30
6	7698	BLAKE	MANAGER	7839	01-05-81	2850	(null)	30
7	7782	CLARK	MANAGER	7839	09-06-81	2450	(null)	10
8	7788	SCOTT	ANALYST	7566	19-04-87	3000	(null)	20
9	7839	KING	PRESIDENT	(null)	17-11-81	5000	(null)	10
10	7876	ADAMS	CLERK	7788	23-05-87	1100	(null)	20

- Select * from TABLENAME where COLOUMNNAME NOT LIKE 'VALUE%';
- % MEAN THE OVERALL CHARACTER AFTER THE VALUES
- Select * from EMP where ENAME not like 'A%';

Query Result x

SQL | All Rows Fetched: 12 in 0.003 seconds

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-12-80	800	(null)	20
2	7521	WARD	SALESMAN	7698	22-02-81	1250	500	30
3	7566	JONES	MANAGER	7839	02-04-81	2975	(null)	20
4	7654	MARTIN	SALESMAN	7698	28-09-81	1250	1400	30
5	7698	BLAKE	MANAGER	7839	01-05-81	2850	(null)	30
6	7782	CLARK	MANAGER	7839	09-06-81	2450	(null)	10
7	7788	SCOTT	ANALYST	7566	19-04-87	3000	(null)	20
8	7839	KING	PRESIDENT	(null)	17-11-81	5000	(null)	10
9	7844	TURNER	SALESMAN	7698	08-09-81	1500	0	30

- Select * from TABLENAME where COLOUMNNAME not LIKE '_VALUE%';
- _ MEAN THE EACH CHARACTER BEFORE THE VALUES
- % MEAN THE OVERALL CHARACTER BEGORE THE VALUES
- Select * from Emp where Ename NOT like '_A%' or Ename NOT like '_E%' or Ename NOT like '_I%' or Ename NOT like '_O%' or EName NOT like '_U%'
- or Ename NOT like '_U%';

Query Result x

SQL | All Rows Fetched: 14 in 0.006 seconds

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-12-80	800	(null)	20
2	7499	ALLEN	SALESMAN	7698	20-02-81	1600	300	30
3	7521	WARD	SALESMAN	7698	22-02-81	1250	500	30
4	7566	JONES	MANAGER	7839	02-04-81	2975	(null)	20
5	7654	MARTIN	SALESMAN	7698	28-09-81	1250	1400	30
6	7698	BLAKE	MANAGER	7839	01-05-81	2850	(null)	30
7	7782	CLARK	MANAGER	7839	09-06-81	2450	(null)	10
8	7788	SCOTT	ANALYST	7566	19-04-87	3000	(null)	20

TO DISPLAY THE VALUES OF PARTICULAR COLOUMN WHICH IS NULL USING 'IS'

- Select * from TABLENAME where COLOUMNNAME IS NULL
- Select * from Emp where comm is null ;

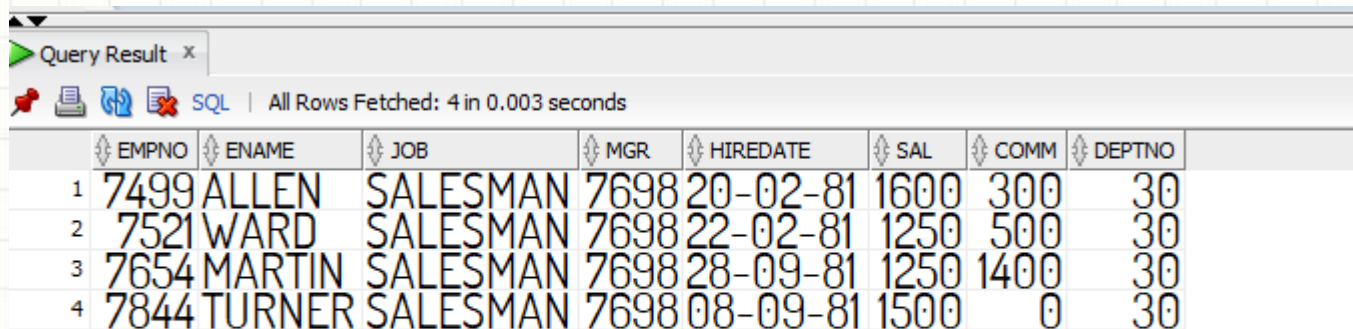
Query Result x

SQL | All Rows Fetched: 10 in 0.002 seconds

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-12-80	800	(null)	20
2	7566	JONES	MANAGER	7839	02-04-81	2975	(null)	20
3	7698	BLAKE	MANAGER	7839	01-05-81	2850	(null)	30
4	7782	CLARK	MANAGER	7839	09-06-81	2450	(null)	10
5	7788	SCOTT	ANALYST	7566	19-04-87	3000	(null)	20
6	7839	KING	PRESIDENT	(null)	17-11-81	5000	(null)	10
7	7876	ADAMS	CLERK	7788	23-05-87	1100	(null)	20
8	7900	JAMES	CLERK	7698	03-12-81	950	(null)	30
9	7902	FORD	ANALYST	7566	03-12-81	3000	(null)	20
10	7934	MILLER	CLERK	7782	23-01-82	1300	(null)	10

TO DISPLAY THE VALUES OF PARTICULAR COLOUMN WHICH IS NOT NULL USING 'IS'

- Select * from TABLENAME where COLOUMNNAME IS NOT NULL
- Select * from EMp where comm is not null;

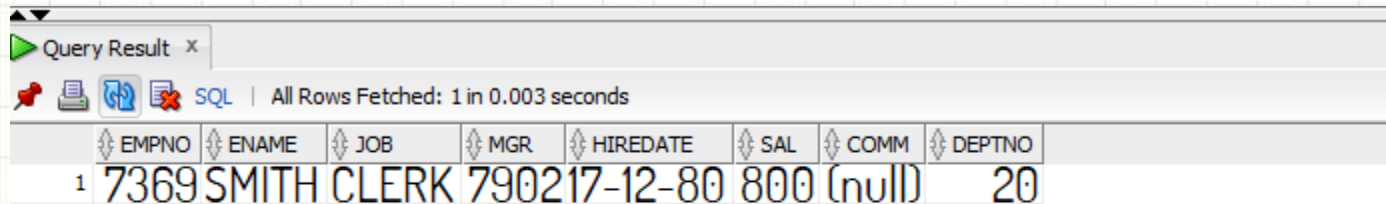


The screenshot shows a 'Query Result' window with a table of employee data. The table has 8 columns: EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, and DEPTNO. There are 4 rows of data, all for employees in department 30. The COMM column shows values 300, 500, 1400, and 0 for the four employees respectively.

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7499	ALLEN	SALESMAN	7698	20-02-81	1600	300	30
2	7521	WARD	SALESMAN	7698	22-02-81	1250	500	30
3	7654	MARTIN	SALESMAN	7698	28-09-81	1250	1400	30
4	7844	TURNER	SALESMAN	7698	08-09-81	1500	0	30

TO PERFORM THE OPERATIONS OF PARTICULAR VALUES OF PARTICULAR COLOUMN USING AND OPERATOR

- **Select * from TABLENAME where COLOUMNNAME**
- **CONDITION1 AND CONDITION 2**
- **SELECT * FROM EMP WHERE ENAME = 'SMITH' AND SAL = 800;**

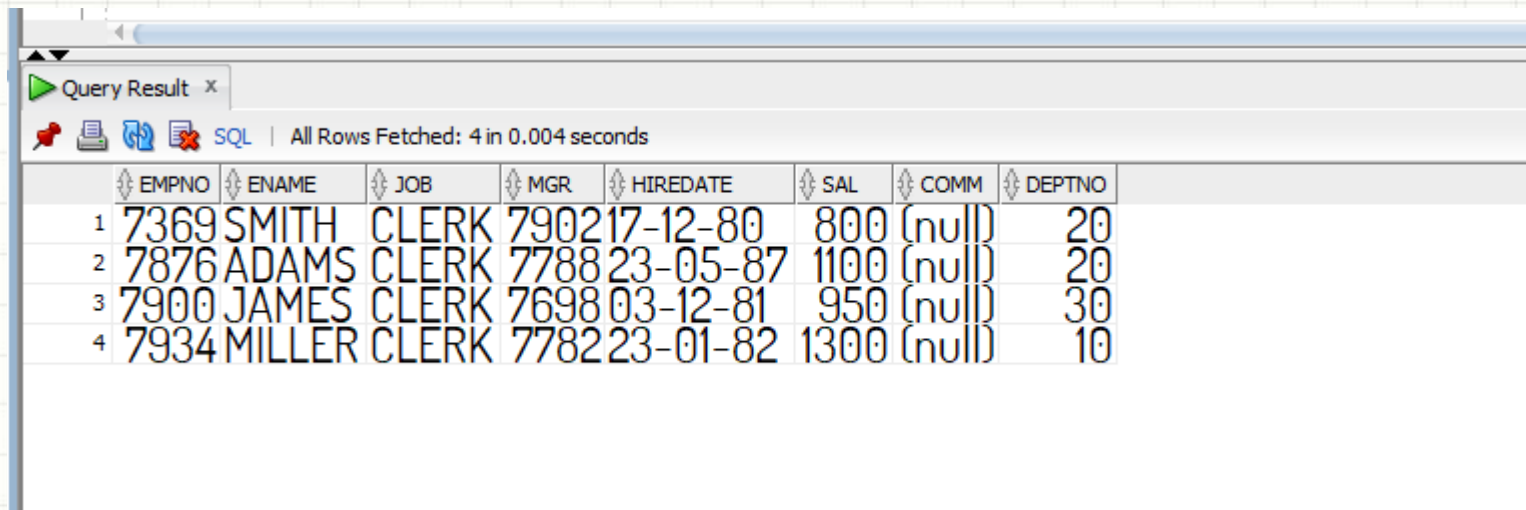


The screenshot shows a 'Query Result' window with a toolbar containing icons for a pin, print, SQL, and a red X. The status bar indicates 'All Rows Fetched: 1 in 0.003 seconds'. The table has columns EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, and DEPTNO. A single row is displayed with the following values: 7369, SMITH, CLERK, 7902, 17-12-80, 800, (null), and 20.

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-12-80	800	(null)	20

TO PERFORM THE OPERATIONS OF PARTICULAR VALUES OF PARTICULAR COLOUMN USING OR OPERATOR

- **Select * from TABLENAME where COLOUMNNAME**
- **CONDITION1 OR CONDITION 2**
- **SELECT * FROM EMP WHERE JOB = 'CLERK' OR SAL = 800;**



Query Result x

SQL | All Rows Fetched: 4 in 0.004 seconds

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-12-80	800	(null)	20
2	7876	ADAMS	CLERK	7788	23-05-87	1100	(null)	20
3	7900	JAMES	CLERK	7698	03-12-81	950	(null)	30
4	7934	MILLER	CLERK	7782	23-01-82	1300	(null)	10

TO DISPLAY THE TABLE IN ASCENDING ORDER BY ORDER BY

- **Select * from TABLENAME ORDER BY COLOUMNNAME ASC;**
- **SELECT * FROM EMP ORDER BY SAL ASC;**
- **NULL IS THE HIGHEST VALUE**

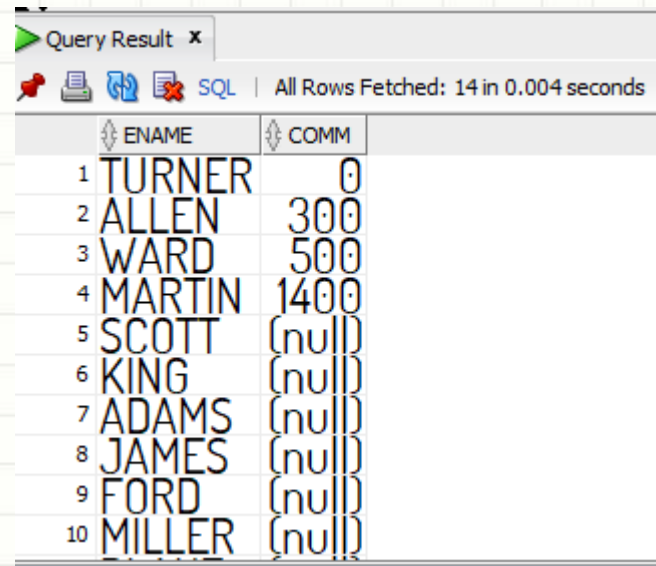
Query Result x

SQL | All Rows Fetched: 14 in 0.005 seconds

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-12-80	800	(null)	20
2	7900	JAMES	CLERK	7698	03-12-81	950	(null)	30
3	7876	ADAMS	CLERK	7788	23-05-87	1100	(null)	20
4	7521	WARD	SALESMAN	7698	22-02-81	1250	500	30
5	7654	MARTIN	SALESMAN	7698	28-09-81	1250	1400	30
6	7934	MILLER	CLERK	7782	23-01-82	1300	(null)	10
7	7844	TURNER	SALESMAN	7698	08-09-81	1500	0	30
8	7499	ALLEN	SALESMAN	7698	20-02-81	1600	300	30
9	7782	CLARK	MANAGER	7839	09-06-81	2450	(null)	10

TO DISPLAY THE PARTICULAR VALUES IN ORDER BY 'ORDER BY' BY ITS COLOUMN NAME

- Select COLOUMN1,COLOUMN2... from TABLENAME ORDER BY COLOUMNNAME;
- NULL IS THE HIGHEST VALUE
- SELECT ENAME,COMM FROM EMP ORDER BY COMM;



The screenshot shows a 'Query Result' window with a toolbar containing icons for a pin, print, refresh, and SQL. The status bar indicates 'All Rows Fetched: 14 in 0.004 seconds'. The table has two columns: 'ENAME' and 'COMM'. The data is sorted by 'COMM' in ascending order, with 'TURNER' having the lowest commission (0) and 'MILLER' having the highest (null).

	ENAME	COMM
1	TURNER	0
2	ALLEN	300
3	WARD	500
4	MARTIN	1400
5	SCOTT	(null)
6	KING	(null)
7	ADAMS	(null)
8	JAMES	(null)
9	FORD	(null)
10	MILLER	(null)

TO DISPLAY THE TABLE IN DESCENDING ORDER BY ORDER BY

- **Select * from TABLENAME ORDER BY COLOUMNNAME DESC;**
- **SELECT * FROM EMP ORDER BY SAL DESC;**
- **NULL IS THE HIGHEST VALUE**

Query Result x

SQL | All Rows Fetched: 14 in 0.003 seconds

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7839	KING	PRESIDENT	(null)	17-11-81	5000	(null)	10
2	7902	FORD	ANALYST	7566	03-12-81	3000	(null)	20
3	7788	SCOTT	ANALYST	7566	19-04-87	3000	(null)	20
4	7566	JONES	MANAGER	7839	02-04-81	2975	(null)	20
5	7698	BLAKE	MANAGER	7839	01-05-81	2850	(null)	30
6	7782	CLARK	MANAGER	7839	09-06-81	2450	(null)	10
7	7499	ALLEN	SALESMAN	7698	20-02-81	1600	300	30
8	7844	TURNER	SALESMAN	7698	08-09-81	1500	0	30
9	7934	MILLER	CLERK	7782	23-01-82	1300	(null)	10
10	7521	WARD	SALESMAN	7698	22-02-81	1250	500	30