

Spool File For Oracle Students Trained By Mr. Balram

```
SQL> SELECT EMPNO,ENAME,MGR
2 FROM EMP;
```

EMPNO	ENAME	MGR
7839	KING	
7698	BLAKE	7839
7782	CLARK	7839
7566	JONES	7839
7654	MARTIN	7698
7499	ALLEN	7698
7844	TURNER	7698
7900	JAMES	7698
7521	WARD	7698
7902	FORD	7566
7369	SMITH	7902
7788	SCOTT	7566
7876	ADAMS	7788
7934	MILLER	7782

14 rows selected.

```
SQL> SELECT DISTINCT MGR
2 FROM EMP;
```

MGR
7839
7782
7698
7902
7566
7788

7 rows selected.

```
SQL> SELECT Empno, Ename, job, Deptno, MGR
2 FROM Emp
3 WHERE Empno IN(7839, 7782, 7698, 7902, 7566, 7788);
```

EMPNO	ENAME	JOB	DEPTNO	MGR
7566	JONES	MANAGER	20	7839
7698	BLAKE	MANAGER	30	7839
7782	CLARK	MANAGER	10	7839
7788	SCOTT	ANALYST	20	7566
7839	KING	PRESIDENT	10	
7902	FORD	ANALYST	20	7566

6 rows selected.

```
SQL> ED
```

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Wrote file afiedt.buf

```
1  SELECT Empno, Ename, job, Deptno, MGR
2  FROM Emp
3* WHERE Empno IN(7839, 7782, 7698, 7902, 7566, 7788,NULL)
SQL> /
```

EMPNO	ENAME	JOB	DEPTNO	MGR
7566	JONES	MANAGER	20	7839
7698	BLAKE	MANAGER	30	7839
7782	CLARK	MANAGER	10	7839
7788	SCOTT	ANALYST	20	7566
7839	KING	PRESIDENT	10	
7902	FORD	ANALYST	20	7566

6 rows selected.

```
SQL> SELECT Empno, Ename, job, Deptno, MGR
2  FROM Emp
3  WHERE Empno IN(7839, 7782, 7698);
```

EMPNO	ENAME	JOB	DEPTNO	MGR
7698	BLAKE	MANAGER	30	7839
7782	CLARK	MANAGER	10	7839
7839	KING	PRESIDENT	10	

```
SQL> ED
```

Wrote file afiedt.buf

```
1  SELECT Empno, Ename, job, Deptno, MGR
2  FROM Emp
3* WHERE Empno NOT IN(7839, 7782, 7698)
SQL> /
```

EMPNO	ENAME	JOB	DEPTNO	MGR
7566	JONES	MANAGER	20	7839
7654	MARTIN	SALESMAN	30	7698
7499	ALLEN	SALESMAN	30	7698
7844	TURNER	SALESMAN	30	7698
7900	JAMES	CLERK	30	7698
7521	WARD	SALESMAN	30	7698
7902	FORD	ANALYST	20	7566
7369	SMITH	CLERK	20	7902
7788	SCOTT	ANALYST	20	7566
7876	ADAMS	CLERK	20	7788
7934	MILLER	CLERK	10	7782

11 rows selected.

```
SQL> ED
```

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```
1  SELECT Empno, Ename, job, Deptno, MGR
2  FROM Emp
3* WHERE Empno NOT IN(7839, 7782, 7698,NULL)
SQL> /
```

no rows selected

SQL> --When A List is Compared With "NOT IN" Operator, if The List Contains, At-Least One NULL Then The Overall Result Of The Query Becomes "no Rows Selected"

SQL>

```
SQL> SELECT Empno, Ename, job, Deptno, MGR
2  FROM Emp
3  WHERE MGR IN(7839, 7782, 7698, 7902, 7566, 7788);
```

EMPNO	ENAME	JOB	DEPTNO	MGR
7698	BLAKE	MANAGER	30	7839
7782	CLARK	MANAGER	10	7839
7566	JONES	MANAGER	20	7839
7654	MARTIN	SALESMAN	30	7698
7499	ALLEN	SALESMAN	30	7698
7844	TURNER	SALESMAN	30	7698
7900	JAMES	CLERK	30	7698
7521	WARD	SALESMAN	30	7698
7902	FORD	ANALYST	20	7566
7369	SMITH	CLERK	20	7902
7788	SCOTT	ANALYST	20	7566
7876	ADAMS	CLERK	20	7788
7934	MILLER	CLERK	10	7782

13 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Empno, Ename, job, Deptno, MGR
2  FROM Emp
3* WHERE MGR IN(7839, 7782, 7698)
SQL> /
```

EMPNO	ENAME	JOB	DEPTNO	MGR
7698	BLAKE	MANAGER	30	7839
7782	CLARK	MANAGER	10	7839
7566	JONES	MANAGER	20	7839
7654	MARTIN	SALESMAN	30	7698
7499	ALLEN	SALESMAN	30	7698
7844	TURNER	SALESMAN	30	7698
7900	JAMES	CLERK	30	7698
7521	WARD	SALESMAN	30	7698

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```
7934 MILLER      CLERK              10              7782
```

9 rows selected.

SQL> ED

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```
1  SELECT Empno, Ename, job, Deptno, MGR
2  FROM Emp
3* WHERE MGR NOT IN(7839, 7782, 7698)
SQL> /
```

EMPNO	ENAME	JOB	DEPTNO	MGR
7902	FORD	ANALYST	20	7566
7369	SMITH	CLERK	20	7902
7788	SCOTT	ANALYST	20	7566
7876	ADAMS	CLERK	20	7788

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Empno, Ename, job, Deptno, MGR
2  FROM Emp
3* WHERE MGR IN(7839, 7782, 7698,NULL)
SQL> /
```

EMPNO	ENAME	JOB	DEPTNO	MGR
7698	BLAKE	MANAGER	30	7839
7782	CLARK	MANAGER	10	7839
7566	JONES	MANAGER	20	7839
7654	MARTIN	SALESMAN	30	7698
7499	ALLEN	SALESMAN	30	7698
7844	TURNER	SALESMAN	30	7698
7900	JAMES	CLERK	30	7698
7521	WARD	SALESMAN	30	7698
7934	MILLER	CLERK	10	7782

9 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Empno, Ename, job, Deptno, MGR
2  FROM Emp
3* WHERE MGR NOT IN(7839, 7782, 7698,NULL)
SQL> /
```

no rows selected

```
SQL> SELECT E.Ename
2  FROM Emp E
```

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```
3 WHERE E.Empno IN
4 (
5 SELECT M.MGR
6 FROM EMP M
7 );
```

ENAME

JONES
BLAKE
CLARK
SCOTT
KING
FORD

6 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT E.Ename
2 FROM Emp E
3 WHERE E.Empno NOT IN
4 (
5 SELECT M.MGR
6 FROM EMP M
7* )
```

SQL> /

no rows selected

SQL> ED

Wrote file afiedt.buf

```
1 SELECT E.Ename
2 FROM Emp E
3 WHERE E.Empno NOT IN
4 (
5 SELECT NVL(M.MGR,0)
6 FROM EMP M
7* )
```

SQL> /

ENAME

SMITH
ALLEN
WARD
MARTIN
TURNER
ADAMS
JAMES
MILLER

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8 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT E.Ename
2  FROM Emp E
3  WHERE E.Empno NOT IN
4    (
5    SELECT M.MGR
6    FROM EMP M
7    WHERE M.MGR IS NOT NULL
8* )
SQL> /
```

ENAME

SMITH
ALLEN
WARD
MARTIN
TURNER
ADAMS
JAMES
MILLER

8 rows selected.

```
SQL> SELECT EMPNO,ENAME,MGR,SAL,COMM
2  FROM EMP;
```

EMPNO	ENAME	MGR	SAL	COMM
7839	KING		5000	
7698	BLAKE	7839	2850	
7782	CLARK	7839	2450	
7566	JONES	7839	2975	
7654	MARTIN	7698	1250	1400
7499	ALLEN	7698	1600	300
7844	TURNER	7698	1500	0
7900	JAMES	7698	950	
7521	WARD	7698	1250	500
7902	FORD	7566	3000	
7369	SMITH	7902	800	
7788	SCOTT	7566	3000	
7876	ADAMS	7788	1100	
7934	MILLER	7782	1300	

14 rows selected.

```
SQL> SELECT EMPNO,ENAME,MGR,SAL,COMM
2  FROM EMP
```

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```
3 WHERE COMM IN(1400,300,500,0);
```

EMPNO	ENAME	MGR	SAL	COMM
7654	MARTIN	7698	1250	1400
7499	ALLEN	7698	1600	300
7844	TURNER	7698	1500	0
7521	WARD	7698	1250	500

```
SQL> SELECT EMPNO,ENAME,MGR,SAL,COMM
2 FROM EMP
3 WHERE COMM IN(1400,300);
```

EMPNO	ENAME	MGR	SAL	COMM
7654	MARTIN	7698	1250	1400
7499	ALLEN	7698	1600	300

```
SQL> SELECT EMPNO,ENAME,MGR,SAL,COMM
2 FROM EMP
3 WHERE COMM IN(1400,300,NULL);
```

EMPNO	ENAME	MGR	SAL	COMM
7654	MARTIN	7698	1250	1400
7499	ALLEN	7698	1600	300

```
SQL> SELECT EMPNO,ENAME,MGR,SAL,COMM
2 FROM EMP
3 WHERE COMM NOT IN(1400,300);
```

EMPNO	ENAME	MGR	SAL	COMM
7844	TURNER	7698	1500	0
7521	WARD	7698	1250	500

```
SQL> SELECT EMPNO,ENAME,MGR,SAL,COMM
2 FROM EMP
3 WHERE COMM NOT IN(1400,300,NULL);
```

no rows selected

```
SQL> ED
Wrote file afiedt.buf
```

```
1 SELECT EMPNO,ENAME,MGR,SAL,COMM
2 FROM EMP
3 WHERE COMM IN
4 (
5 SELECT COMM
6 FROM EMP
7* )
SQL> /
```

Spool File For Oracle Students Trained By Mr. Balram

EMPNO	ENAME	MGR	SAL	COMM
7654	MARTIN	7698	1250	1400
7499	ALLEN	7698	1600	300
7844	TURNER	7698	1500	0
7521	WARD	7698	1250	500

SQL> ED

Wrote file afiedt.buf

```
1  SELECT EMPNO,ENAME,MGR,SAL,COMM
2  FROM EMP
3  WHERE COMM NOT IN
4  (
5  SELECT COMM
6  FROM EMP
7* )
```

SQL> /

no rows selected

SQL> ED

Wrote file afiedt.buf

```
1  SELECT EMPNO,ENAME,MGR,SAL,COMM
2  FROM EMP
3  WHERE COMM NOT IN
4  (
5  SELECT NVL(COMM,0)
6  FROM EMP
7* )
```

SQL> /

no rows selected

SQL> ed

Wrote file afiedt.buf

```
1  SELECT EMPNO,ENAME,MGR,SAL,COMM
2  FROM EMP
3  WHERE COMM NOT IN
4  (
5  SELECT COMM
6  FROM EMP
7  WHERE COMM IS NOT NULL
8* )
```

SQL> /

no rows selected

SQL> SPOOL OFF