

Sathish Yellanki Institute of Software Solutions	
Announcing A New Batch	
OF	
Oracle Performance And Tuning	
With In-Depth Coverage on SQL Tuning And PL/SQL Tuning With Issue Based Approach, Including AWR, Statspack, Enterprise Manager etc...	
Date : 21st May 2018	Time : 11.00 AM
If You Are Looking For Good Positions And Scaling in The Career of Databases With Oracle, This Course is Ideal For You, All The Aspirants Aiming With Experience in Their Resume Can Avail This Course	
<u>Contact Details</u> Flat No : 201, 2 nd Floor, Abhilash Tower SR Nagar Main Road, Near SR Nagar Community Hall. Land Mark : Just Bake Bakery, Hyderabad. Phone : 040-23710047, 9985798869	

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SQL> cl scr

```
SQL> SELECT OrdID, ProdID, Qty
2  FROM Item
3  WHERE (ProdID, Qty) IN
4  (
5  SELECT ProdID, Qty
6  FROM Item
7  WHERE OrdID = 605
8  ) AND
9  OrdID <> 605;
```

ORDID	PRODID	QTY
617	100861	100
617	100870	500
616	102130	10

SQL> cl scr

```
SQL> SELECT Ename, Deptno, Sal
2  FROM Emp
3  WHERE (Deptno, Sal) IN
4  (
5  SELECT Deptno, MAX(Sal)
6  FROM Emp
7  GROUP BY Deptno
8  );
```

ENAME	DEPTNO	SAL
KING	10	5000
BLAKE	30	2850
FORD	20	3000
SCOTT	20	3000

```
SQL> INSERT INTO Emp VALUES(7935, 'SURESH', 10, 2850);
INSERT INTO Emp VALUES(7935, 'SURESH', 10, 2850)
*
```

ERROR at line 1:
ORA-00947: not enough values

```
SQL> INSERT INTO Emp(Empno, Ename, Deptno, Sal) VALUES(7935, 'SURESH',
10, 2850);
```

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1 row created.

```
SQL> INSERT INTO Emp(Empno, Ename, Deptno, Sal) VALUES(7936, 'RAKESH',
10, 3000);
```

1 row created.

```
SQL> INSERT INTO Emp(Empno, Ename, Deptno, Sal) VALUES(7937, 'PRAKASH',
20, 2850);
```

1 row created.

```
SQL> SELECT Ename, Deptno, Sal
2 FROM Emp
3 WHERE (Deptno, Sal) IN
4 (
5 SELECT Deptno, MAX(Sal)
6 FROM Emp
7 GROUP BY Deptno
8 );
```

ENAME	DEPTNO	SAL
KING	10	5000
BLAKE	30	2850
FORD	20	3000
SCOTT	20	3000

```
SQL> SELECT Ename, Deptno, Sal
2 FROM Emp
3 WHERE Deptno IN
4 (
5 SELECT Deptno
6 FROM Emp
7 GROUP BY Deptno
8 ) AND
9 Sal IN
10 (
11 SELECT MAX(Sal)
12 FROM Emp
13 GROUP BY Deptno
14 );
```

ENAME	DEPTNO	SAL
KING	10	5000
BLAKE	30	2850

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```
.....
FORD                20                3000
SCOTT                20                3000
SURESH              10                2850
RAKESH              10                3000
PRAKASH             20                2850
```

7 rows selected.

SQL> ROLLBACK;

Rollback complete.

```
SQL> SELECT Ename, Deptno, Sal
2  FROM Emp
3  WHERE (Deptno, Sal) IN
4      (
5      SELECT Deptno, MAX(Sal)
6      FROM Emp
7      GROUP BY Deptno
8      );
```

ENAME	DEPTNO	SAL
KING	10	5000
BLAKE	30	2850
FORD	20	3000
SCOTT	20	3000

```
SQL> SELECT Ename, Deptno, Sal
2  FROM Emp
3  WHERE Deptno IN
4      (
5      SELECT Deptno
6      FROM Emp
7      GROUP BY Deptno
8      ) AND
9  Sal IN
10     (
11     SELECT MAX(Sal)
12     FROM Emp
13     GROUP BY Deptno
14     );
```

ENAME	DEPTNO	SAL
KING	10	5000
BLAKE	30	2850

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```
FORD          20          3000
SCOTT         20          3000
```

SQL> cl scr

```
SQL> SELECT Ename, Deptno, Sal
  2  FROM Emp
  3  WHERE (Deptno, Sal) IN
  4  (
  5  SELECT Deptno, MIN(Sal)
  6  FROM Emp
  7  GROUP BY Deptno
  8  );
```

ENAME	DEPTNO	SAL
JAMES	30	950
SMITH	20	800
MILLER	10	1300

SQL> ED

Wrote file afiedt.buf

```
  1  SELECT Ename, Job, Sal
  2  FROM Emp
  3  WHERE (Job, Sal) IN
  4  (
  5  SELECT Job, MAX(Sal)
  6  FROM Emp
  7  GROUP BY Job
  8* )
```

SQL> /

ENAME	JOB	SAL
KING	PRESIDENT	5000
JONES	MANAGER	2975
ALLEN	SALESMAN	1600
FORD	ANALYST	3000
SCOTT	ANALYST	3000
MILLER	CLERK	1300

6 rows selected.

SQL> ED

Wrote file afiedt.buf

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```
.....
1  SELECT Ename, Job, Sal
2  FROM Emp
3  WHERE (Job, Sal) IN
4  (
5  SELECT Job, MIN(Sal)
6  FROM Emp
7  GROUP BY Job
8* )
SQL> /
```

ENAME	JOB	SAL
KING	PRESIDENT	5000
CLARK	MANAGER	2450
MARTIN	SALESMAN	1250
WARD	SALESMAN	1250
FORD	ANALYST	3000
SMITH	CLERK	800
SCOTT	ANALYST	3000

7 rows selected.

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

```
1  SELECT Ename, Job, Sal
2  FROM Emp
3  WHERE (Job, Sal) IN
4  (
5  SELECT Job, AVG(Sal)
6  FROM Emp
7  GROUP BY Job
8* )
SQL> /
```

ENAME	JOB	SAL
KING	PRESIDENT	5000
FORD	ANALYST	3000
SCOTT	ANALYST	3000

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

```
1  SELECT Ename, TO_CHAR(HireDate, 'YYYY') Year, Sal
2  FROM Emp
3  WHERE (TO_CHAR(HireDate, 'YYYY'), Sal) IN
```

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```
4  (
5  SELECT TO_CHAR(HireDate, 'YYYY'), MAX(Sal)
6  FROM Emp
7  GROUP BY TO_CHAR(HireDate, 'YYYY')
8* )
SQL> /
```

ENAME	YEAR	SAL
KING	1981	5000
SMITH	1980	800
SCOTT	1982	3000
ADAMS	1983	1100

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

```
1  SELECT Ename, TO_CHAR(HireDate, 'YYYY') Year, Sal
2  FROM Emp
3  WHERE (TO_CHAR(HireDate, 'YYYY'), Sal) IN
4  (
5  SELECT TO_CHAR(HireDate, 'YYYY'), MIN(Sal)
6  FROM Emp
7  GROUP BY TO_CHAR(HireDate, 'YYYY')
8* )
SQL> /
```

ENAME	YEAR	SAL
JAMES	1981	950
SMITH	1980	800
ADAMS	1983	1100
MILLER	1982	1300

```
SQL> cl scr
```

```
SQL> SELECT Empno, Ename, MGR 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

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```
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 FROM Emp;
```

```
      MGR
-----
      7839
      7782
      7698
      7902
      7566
      7788
```

7 rows selected.

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

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

13 rows selected.

```
SQL> ED
```

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Wrote file afiedt.buf

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

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

9 rows selected.

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

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

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

9 rows selected.

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

```
1  SELECT Empno, Ename, Deptno, Job, MGR
```

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```
2 FROM Emp
3* WHERE MGR IN(7839, 7782, 7698)
SQL> /
```

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

9 rows selected.

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

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

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

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

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

no rows selected

```
SQL> SELECT Ename, Deptno, Sal, Comm FROM Emp;
```

ENAME	DEPTNO	SAL	COMM
-------	--------	-----	------

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```
.....
KING                10                5000
BLAKE               30                2850
CLARK               10                2450
JONES               20                2975
MARTIN              30                1250                1400
ALLEN               30                1600                300
TURNER              30                1500                0
JAMES               30                950
WARD                30                1250                500
FORD                20                3000
SMITH               20                800
SCOTT               20                3000
ADAMS               20                1100
MILLER              10                1300
```

14 rows selected.

```
SQL> SELECT Ename, Deptno, Sal, Comm
  2  FROM Emp
  3  WHERE Comm IN(1400, 300, 0, 500);
```

ENAME	DEPTNO	SAL	COMM
MARTIN	30	1250	1400
ALLEN	30	1600	300
TURNER	30	1500	0
WARD	30	1250	500

```
SQL> ED
```

Wrote file afiedt.buf

```
  1  SELECT Ename, Deptno, Sal, Comm
  2  FROM Emp
  3* WHERE Comm IN(1400, 300, 0, 500, NULL)
```

```
SQL>
```

```
SQL> /
```

ENAME	DEPTNO	SAL	COMM
MARTIN	30	1250	1400
ALLEN	30	1600	300
TURNER	30	1500	0
WARD	30	1250	500

```
SQL> ED
```

Wrote file afiedt.buf

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```
.....
1  SELECT Ename, Deptno, Sal, Comm
2  FROM Emp
3* WHERE Comm IN(1400, 300)
SQL> /
```

ENAME	DEPTNO	SAL	COMM
MARTIN	30	1250	1400
ALLEN	30	1600	300

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

```
1  SELECT Ename, Deptno, Sal, Comm
2  FROM Emp
3* WHERE Comm NOT IN(1400, 300)
SQL> /
```

ENAME	DEPTNO	SAL	COMM
TURNER	30	1500	0
WARD	30	1250	500

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

```
1  SELECT Ename, Deptno, Sal, Comm
2  FROM Emp
3* WHERE Comm NOT IN(1400, 300, NULL)
SQL> /
```

no rows selected

```
SQL> cl scr
```

```
SQL> SELECT E.Ename
2  FROM Emp E
3  WHERE E.Empno IN
4  (
5  SELECT M.Mgr
6  FROM Emp M
7  );
```

```
ENAME
-----
KING
BLAKE
```

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JONES
FORD
SCOTT
CLARK

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

TURNER
WARD
MARTIN
ALLEN
MILLER
SMITH
ADAMS
JAMES

8 rows selected.

SQL> ED

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```
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 MGR IS NOT NULL
8* )
SQL> /
```

ENAME

TURNER
WARD
MARTIN
ALLEN
MILLER
SMITH
ADAMS
JAMES

8 rows selected.

SQL> cl scr

```
SQL> SELECT Ename, Deptno, Sal, Comm
2  FROM Emp
3  WHERE Comm IS NOT NULL;
```

ENAME	DEPTNO	SAL	COMM
MARTIN	30	1250	1400
ALLEN	30	1600	300
TURNER	30	1500	0
WARD	30	1250	500

SQL> ED
Wrote file afiedt.buf

```
1  SELECT Ename, Deptno, Sal, Comm
2  FROM Emp
3* WHERE Comm IS NULL
SQL> /
```

ENAME	DEPTNO	SAL	COMM
-------	--------	-----	------

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```
-----
KING                10                5000
BLAKE               30                2850
CLARK               10                2450
JONES              20                2975
JAMES              30                 950
FORD               20                3000
SMITH              20                 800
SCOTT              20                3000
ADAMS              20                1100
MILLER             10                1300
```

10 rows selected.

SQL> ED

Wrote file afiedt.buf

```

1  SELECT Ename, Deptno, Sal, Comm
2  FROM Emp
3  WHERE Comm IN
4  (
5  SELECT Comm
6  FROM Emp
7* )
SQL> /
```

```
-----
ENAME      DEPTNO      SAL      COMM
-----
MARTIN      30      1250     1400
ALLEN       30      1600      300
TURNER      30      1500       0
WARD        30      1250     500
```

SQL> ED

Wrote file afiedt.buf

```

1  SELECT Ename, Deptno, Sal, Comm
2  FROM Emp
3  WHERE Comm NOT IN
4  (
5  SELECT Comm
6  FROM Emp
7* )
SQL> /
```

no rows selected

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SQL> ED

Wrote file afiedt.buf

```
1  SELECT Ename, Deptno, 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 Ename, Deptno, 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> cl scr

```
SQL> SELECT *
2  FROM
3  (
4  SELECT *
5  FROM Dept
6  );
```

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

SQL> ED

Wrote file afiedt.buf

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<http://yellankisathish.com/>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
1  SELECT Dname, Loc
2  FROM
3  (
4  SELECT *
5  FROM Dept
6* )
SQL> /
```

DNAME	LOC
ACCOUNTING	NEW YORK
RESEARCH	DALLAS
SALES	CHICAGO
OPERATIONS	BOSTON

```
SQL> SELECT Dname, Loc
2  FROM Dept;
```

DNAME	LOC
ACCOUNTING	NEW YORK
RESEARCH	DALLAS
SALES	CHICAGO
OPERATIONS	BOSTON

```
SQL> SPPOOL OFF
```

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Date : 24th May 2018 Time : 5:30AM To 07.00AM

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