



# Sathish Yellanki



## UPCOMING BATCHES

| Technology                       | Date           | Time    |
|----------------------------------|----------------|---------|
| Oracle Project<br>( Internship ) | 17th May 2018  | 9 am    |
| Performance<br>& Tuning          | 21st May 2018  | 11 am   |
| BigData                          | 24th May 2018  | 5:30 am |
| Spark & Scala                    | 4th June 2018  | 8 am    |
| Oracle 11g<br>(SQL, PL/SQL)      | 25th June 2018 | 9 am    |

**Contact** 040-23710047 **WhatsApp** 9985798869

---

### SkyEss Techno Solutions Pvt. Ltd.

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Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

SQL> SET AUTOTRACE On EXPLAIN

SQL> SELECT Empno, Ename, Sal, Job  
2 FROM Emp  
3 WHERE Deptno =  
4 (  
5 SELECT Deptno  
6 FROM Dept  
7 WHERE Dname = 'SALES'  
8 );

| EMPNO | ENAME  | SAL  | JOB      |
|-------|--------|------|----------|
| 7698  | BLAKE  | 2850 | MANAGER  |
| 7654  | MARTIN | 1250 | SALESMAN |
| 7499  | ALLEN  | 1600 | SALESMAN |
| 7844  | TURNER | 1500 | SALESMAN |
| 7900  | JAMES  | 950  | CLERK    |
| 7521  | WARD   | 1250 | SALESMAN |

6 rows selected.

Execution Plan

Plan hash value: 2858400319

| Id  | Operation         | Name | Rows | Bytes | Cost (%CPU) | Time     |
|-----|-------------------|------|------|-------|-------------|----------|
| 0   | SELECT STATEMENT  |      | 1    | 52    | 6 (0)       | 00:00:01 |
| * 1 | TABLE ACCESS FULL | EMP  | 1    | 52    | 3 (0)       | 00:00:01 |
| * 2 | TABLE ACCESS FULL | DEPT | 1    | 22    | 3 (0)       | 00:00:01 |

Predicate Information (identified by operation id):

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```
1 - filter("DEPTNO"= (SELECT "DEPTNO" FROM "DEPT" "DEPT" WHERE
      "DNAME"='SALES'))
2 - filter("DNAME"='SALES')
```

Note

-----  
- dynamic sampling used for this statement (level=2)

SQL> SELECT Deptno FROM Dept WHERE Dname = 'SALES';

```
DEPTNO
-----
      30
```

Execution Plan

-----  
Plan hash value: 3383998547

```
-----
-
| Id  | Operation          | Name | Rows  | Bytes | Cost (%CPU)| Time     |
|-----|-----|-----|-----|-----|-----|-----|
-
|   0  | SELECT STATEMENT   |      |    1  |    22 |     3   (0)| 00:00:01 |
|-----|-----|-----|-----|-----|-----|-----|
|*   1  | TABLE ACCESS FULL| DEPT  |    1  |    22 |     3   (0)| 00:00:01 |
|-----|-----|-----|-----|-----|-----|-----|
-

```

Predicate Information (identified by operation id):

-----  
1 - filter("DNAME"='SALES')

Note

-----  
- dynamic sampling used for this statement (level=2)

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Empno, Ename, Sal, Job, Deptno
2  FROM Emp
3  WHERE Deptno =
```

-----  
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```
4      (  
5      SELECT Deptno  
6      FROM Dept  
7      WHERE Dname = 'SALES'  
8*    );  
SQL> /  
    );  
    *
```

ERROR at line 8:  
ORA-00911: invalid character

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

```
1  SELECT Empno, Ename, Sal, Job, Deptno  
2  FROM Emp  
3  WHERE Deptno =  
4      (  
5      SELECT Deptno  
6      FROM Dept  
7      WHERE Dname = 'SALES'  
8*    )  
SQL> /
```

| EMPNO | ENAME  | SAL  | JOB      | DEPTNO |
|-------|--------|------|----------|--------|
| 7698  | BLAKE  | 2850 | MANAGER  | 30     |
| 7654  | MARTIN | 1250 | SALESMAN | 30     |
| 7499  | ALLEN  | 1600 | SALESMAN | 30     |
| 7844  | TURNER | 1500 | SALESMAN | 30     |
| 7900  | JAMES  | 950  | CLERK    | 30     |
| 7521  | WARD   | 1250 | SALESMAN | 30     |

6 rows selected.

Execution Plan

Plan hash value: 2858400319

| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time |
|----|-----------|------|------|-------|-------------|------|
|----|-----------|------|------|-------|-------------|------|

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```
-----
| 0 | SELECT STATEMENT | | 1 | 52 | 6 (0) | 00:00:01
|
|* 1 | TABLE ACCESS FULL | EMP | 1 | 52 | 3 (0) | 00:00:01
|
|* 2 | TABLE ACCESS FULL | DEPT | 1 | 22 | 3 (0) | 00:00:01
|
-----
```

-----  
Predicate Information (identified by operation id):  
-----

```
1 - filter("DEPTNO"= (SELECT "DEPTNO" FROM "DEPT" "DEPT" WHERE
      "DNAME"='SALES'))
2 - filter("DNAME"='SALES')
```

Note  
-----

- dynamic sampling used for this statement (level=2)

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Empno, Ename, Sal, Job
2 FROM Emp
3 WHERE Deptno =
4     (
5     SELECT Deptno
6     FROM Dept
7     WHERE Dname = 'SALES'
8*    )
```

SQL> cl scr

SQL> R

```
1 SELECT Empno, Ename, Sal, Job
2 FROM Emp
3 WHERE Deptno =
4     (
5     SELECT Deptno
6     FROM Dept
7     WHERE Dname = 'SALES'
8*    )
```

| EMPNO | ENAME  | SAL  | JOB      |
|-------|--------|------|----------|
| 7698  | BLAKE  | 2850 | MANAGER  |
| 7654  | MARTIN | 1250 | SALESMAN |

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```
7499 ALLEN          1600 SALESMAN
7844 TURNER         1500 SALESMAN
7900 JAMES           950 CLERK
7521 WARD           1250 SALESMAN
```

6 rows selected.

Execution Plan

Plan hash value: 2858400319

| Id  | Operation         | Name | Rows | Bytes | Cost (%CPU) | Time     |
|-----|-------------------|------|------|-------|-------------|----------|
| 0   | SELECT STATEMENT  |      | 1    | 52    | 6 (0)       | 00:00:01 |
| * 1 | TABLE ACCESS FULL | EMP  | 1    | 52    | 3 (0)       | 00:00:01 |
| * 2 | TABLE ACCESS FULL | DEPT | 1    | 22    | 3 (0)       | 00:00:01 |

Predicate Information (identified by operation id):

- 1 - filter("DEPTNO"= (SELECT "DEPTNO" FROM "DEPT" "DEPT" WHERE "DNAME"='SALES'))
- 2 - filter("DNAME"='SALES')

Note

- dynamic sampling used for this statement (level=2)

SQL> ED  
Wrote file afiedt.buf

```
1  SELECT Empno, Ename, Sal, Job
2  FROM Emp, Dept
3  WHERE Emp.Deptno = Dept.Deptno
4* AND Dname = 'SALES'
SQL> /
```

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```
.....
      EMPNO  ENAME      SAL  JOB
-----
      7698  BLAKE       2850  MANAGER
      7654  MARTIN       1250  SALESMAN
      7499  ALLEN        1600  SALESMAN
      7844  TURNER       1500  SALESMAN
      7900  JAMES        950   CLERK
      7521  WARD        1250  SALESMAN
```

6 rows selected.

Execution Plan

Plan hash value: 615168685

```
-----
--
| Id  | Operation              | Name | Rows  | Bytes | Cost (%CPU)| Time     |
|-----|-----|-----|-----|-----|-----|-----|
--
|  0  | SELECT STATEMENT       |      |    5  |   370 |    7  (15)| 00:00:01 |
|  *  |  HASH JOIN              |      |    5  |   370 |    7  (15)| 00:00:01 |
|  *  |    TABLE ACCESS FULL  | DEPT  |    1  |    22 |    3   (0)| 00:00:01 |
|    |                          |      |    14 |   728 |    3   (0)| 00:00:01 |
|  3  |    TABLE ACCESS FULL  | EMP   |    14 |   728 |    3   (0)| 00:00:01 |
|-----|-----|-----|-----|-----|-----|
--
```

Predicate Information (identified by operation id):

```
-----
1 - access("EMP"."DEPTNO"="DEPT"."DEPTNO")
2 - filter("DNAME"='SALES')
```

Note

- dynamic sampling used for this statement (level=2)

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Empno, Ename, Sal, Job, Dname, Loc
```

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```
2 FROM Emp, Dept
3 WHERE Emp.Deptno = Dept.Deptno
4* AND Dname = 'SALES'
SQL> /
```

| EMPNO | ENAME  | SAL  | JOB      | DNAME | LOC     |
|-------|--------|------|----------|-------|---------|
| 7698  | BLAKE  | 2850 | MANAGER  | SALES | CHICAGO |
| 7654  | MARTIN | 1250 | SALESMAN | SALES | CHICAGO |
| 7499  | ALLEN  | 1600 | SALESMAN | SALES | CHICAGO |
| 7844  | TURNER | 1500 | SALESMAN | SALES | CHICAGO |
| 7900  | JAMES  | 950  | CLERK    | SALES | CHICAGO |
| 7521  | WARD   | 1250 | SALESMAN | SALES | CHICAGO |

6 rows selected.

Execution Plan

Plan hash value: 615168685

| Id  | Operation         | Name | Rows | Bytes | Cost (%CPU) | Time     |
|-----|-------------------|------|------|-------|-------------|----------|
| 0   | SELECT STATEMENT  |      | 5    | 410   | 7 (15)      | 00:00:01 |
| * 1 | HASH JOIN         |      | 5    | 410   | 7 (15)      | 00:00:01 |
| * 2 | TABLE ACCESS FULL | DEPT | 1    | 30    | 3 (0)       | 00:00:01 |
| 3   | TABLE ACCESS FULL | EMP  | 14   | 728   | 3 (0)       | 00:00:01 |

Predicate Information (identified by operation id):

```
1 - access("EMP"."DEPTNO"="DEPT"."DEPTNO")
2 - filter("DNAME"='SALES')
```

Note

- dynamic sampling used for this statement (level=2)

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## Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

SQL> SELECT MAX(Sal) SalMAX  
2 FROM Emp;

SALMAX  
-----  
5000

Execution Plan

Plan hash value: 2083865914

-----  
--  
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time  
|  
-----  
--  
| 0 | SELECT STATEMENT | | 1 | 13 | 3 (0) | 00:00:01  
|  
| 1 | SORT AGGREGATE | | 1 | 13 | |  
|  
| 2 | TABLE ACCESS FULL | EMP | 14 | 182 | 3 (0) | 00:00:01  
|  
-----  
--

Note

-----  
- dynamic sampling used for this statement (level=2)

SQL> ED

Wrote file afiedt.buf

1 SELECT Ename, Deptno, Job, MAX(Sal) SalMAX  
2\* FROM Emp

SQL> /

SELECT Ename, Deptno, Job, MAX(Sal) SalMAX  
\*

ERROR at line 1:

ORA-00937: not a single-group group function

SQL> ED

-----  
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## Spool File For Oracle Students Trained by Mr.Sathish Yellanki

Wrote file afiedt.buf

```
1  SELECT Ename, Deptno, Job, MAX(Sal) SalMAX
2  FROM Emp
3* GROUP BY Ename, Deptno, Job
SQL> /
```

| ENAME  | DEPTNO | JOB       | SALMAX |
|--------|--------|-----------|--------|
| CLARK  | 10     | MANAGER   | 2450   |
| JAMES  | 30     | CLERK     | 950    |
| FORD   | 20     | ANALYST   | 3000   |
| SCOTT  | 20     | ANALYST   | 3000   |
| MARTIN | 30     | SALESMAN  | 1250   |
| ADAMS  | 20     | CLERK     | 1100   |
| MILLER | 10     | CLERK     | 1300   |
| KING   | 10     | PRESIDENT | 5000   |
| JONES  | 20     | MANAGER   | 2975   |
| BLAKE  | 30     | MANAGER   | 2850   |
| SMITH  | 20     | CLERK     | 800    |
| WARD   | 30     | SALESMAN  | 1250   |
| ALLEN  | 30     | SALESMAN  | 1600   |
| TURNER | 30     | SALESMAN  | 1500   |

14 rows selected.

Execution Plan

Plan hash value: 4067220884

| Id | Operation         | Name | Rows | Bytes | Cost (%CPU) | Time     |
|----|-------------------|------|------|-------|-------------|----------|
| 0  | SELECT STATEMENT  |      | 14   | 546   | 4 (25)      | 00:00:01 |
| 1  | HASH GROUP BY     |      | 14   | 546   | 4 (25)      | 00:00:01 |
| 2  | TABLE ACCESS FULL | EMP  | 14   | 546   | 3 (0)       | 00:00:01 |

Note

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-----  
-----  
- dynamic sampling used for this statement (level=2)

SQL> cl scr

SQL> ED

Wrote file afiedt.buf

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

| ENAME | DEPTNO | JOB       |
|-------|--------|-----------|
| KING  | 10     | PRESIDENT |

Execution Plan

Plan hash value: 1876299339

| Id  | Operation         | Name | Rows | Bytes | Cost (%CPU) | Time     |
|-----|-------------------|------|------|-------|-------------|----------|
| 0   | SELECT STATEMENT  |      | 1    | 39    | 6 (0)       | 00:00:01 |
| * 1 | TABLE ACCESS FULL | EMP  | 1    | 39    | 3 (0)       | 00:00:01 |
| 2   | SORT AGGREGATE    |      | 1    | 13    |             |          |
| 3   | TABLE ACCESS FULL | EMP  | 14   | 182   | 3 (0)       | 00:00:01 |

Predicate Information (identified by operation id):

1 - filter("SAL"= (SELECT MAX("SAL") FROM "EMP" "EMP"))

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Note

- dynamic sampling used for this statement (level=2)

```
SQL> SELECT MAX(Sal)
      2  FROM Emp;
```

```
MAX(SAL)
-----
      5000
```

Execution Plan

Plan hash value: 2083865914

```
-----
--
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time |
|-----|-----|-----|-----|-----|-----|-----|
--
|  0 | SELECT STATEMENT |  | 1 | 13 | 3 (0) | 00:00:01 |
|  1 |  SORT AGGREGATE |  | 1 | 13 |  |  |
|  2 |   TABLE ACCESS FULL | EMP | 14 | 182 | 3 (0) | 00:00:01 |
-----
--
```

Note

- dynamic sampling used for this statement (level=2)

```
SQL> SELECT Ename, Job, Sal
      2  FROM Emp
      3  WHERE Sal =
      4  (
      5    SELECT MIN(Sal)
      6    FROM Emp
      7  );
```

```
ENAME      JOB      SAL
-----
SMITH      CLERK      800
```

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### Execution Plan

Plan hash value: 1876299339

```
-----  
| Id | Operation | Name | Rows | Bytes | Cost (%CPU) | Time |  
-----  
| 0 | SELECT STATEMENT | | 1 | 26 | 6 (0) | 00:00:01 |  
|* 1 | TABLE ACCESS FULL | EMP | 1 | 26 | 3 (0) | 00:00:01 |  
| 2 | SORT AGGREGATE | | 1 | 13 | | |  
| 3 | TABLE ACCESS FULL | EMP | 14 | 182 | 3 (0) | 00:00:01 |  
-----
```

Predicate Information (identified by operation id):

1 - filter("SAL"= (SELECT MIN("SAL") FROM "EMP" "EMP"))

### Note

- dynamic sampling used for this statement (level=2)

```
SQL> SELECT Ename, Job, Sal  
2 FROM Emp  
3 WHERE Sal >  
4 (  
5 SELECT AVG(Sal)  
6 FROM Emp  
7 );
```

| ENAME | JOB       | SAL  |
|-------|-----------|------|
| KING  | PRESIDENT | 5000 |
| BLAKE | MANAGER   | 2850 |
| CLARK | MANAGER   | 2450 |
| JONES | MANAGER   | 2975 |
| FORD  | ANALYST   | 3000 |

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SCOTT ANALYST 3000

6 rows selected.

Execution Plan

Plan hash value: 1876299339

| Id  | Operation         | Name | Rows | Bytes | Cost (%CPU) | Time     |
|-----|-------------------|------|------|-------|-------------|----------|
| 0   | SELECT STATEMENT  |      | 1    | 26    | 6 (0)       | 00:00:01 |
| * 1 | TABLE ACCESS FULL | EMP  | 1    | 26    | 3 (0)       | 00:00:01 |
| 2   | SORT AGGREGATE    |      | 1    | 13    |             |          |
| 3   | TABLE ACCESS FULL | EMP  | 14   | 182   | 3 (0)       | 00:00:01 |

Predicate Information (identified by operation id):

1 - filter("SAL"> (SELECT AVG("SAL") FROM "EMP" "EMP"))

Note

- dynamic sampling used for this statement (level=2)

SQL> SELECT AVG(Sal)  
2 FROM Emp;

AVG(SAL)  
-----  
2073.21429

Execution Plan

Plan hash value: 2083865914

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```
-----
--
| Id  | Operation                | Name | Rows  | Bytes | Cost (%CPU)| Time
|-----|-----|-----|-----|-----|-----|-----|
--
|   0  | SELECT STATEMENT          |      |    1  |    13 |      3  (0)| 00:00:01
|   1  |   SORT AGGREGATE          |      |    1  |    13 |           |
|   2  |    TABLE ACCESS FULL     | EMP  |   14  |   182 |      3  (0)| 00:00:01
|-----|-----|-----|-----|-----|-----|
--
```

Note

- dynamic sampling used for this statement (level=2)

SQL> ED

Wrote file afiedt.buf

```

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

| ENAME  | JOB      | SAL  |
|--------|----------|------|
| MARTIN | SALESMAN | 1250 |
| ALLEN  | SALESMAN | 1600 |
| TURNER | SALESMAN | 1500 |
| JAMES  | CLERK    | 950  |
| WARD   | SALESMAN | 1250 |
| SMITH  | CLERK    | 800  |
| ADAMS  | CLERK    | 1100 |
| MILLER | CLERK    | 1300 |

8 rows selected.

Execution Plan

### SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

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<http://yellankisathish.com/>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

Plan hash value: 1876299339

```
-----  
---  
| Id  | Operation                      | Name | Rows  | Bytes | Cost (%CPU)| Time  
|-----|-----|-----|-----|-----|-----|-----|  
---  
|  0  | SELECT STATEMENT                |      |    1  |    26 |     6   (0)|  
00:00:01 |  
|*  1  | TABLE ACCESS FULL              | EMP  |    1  |    26 |     3   (0)|  
00:00:01 |  
|  2  | SORT AGGREGATE                  |      |    1  |    13 |          |  
|  
|  3  | TABLE ACCESS FULL              | EMP  |   14  |   182 |     3   (0)|  
00:00:01 |  
|-----|-----|-----|-----|-----|-----|  
---
```

Predicate Information (identified by operation id):  
-----

1 - filter("SAL"< (SELECT AVG("SAL") FROM "EMP" "EMP"))

Note

-----

- dynamic sampling used for this statement (level=2)

SQL> SPOOL OFF

-----  
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|   |                           |
|---|---------------------------|
| <b>Announcing A New Batch For</b><br><b>Oracle SQL And PL/SQL 11g R2</b><br>(Covering In-Depth Syllabus With Industry Oriented Focus)<br><b>By</b><br><b>Sathish Yellanki</b> |                           |
| <b>Date : 2<sup>nd</sup> May, 2018</b>  | <b>Time: 4 PM To 5 PM</b> |
| <b>For Enquiries And Registrations Contact</b><br><b>Sathish Yellanki Institute of Software Solutions</b>   |                           |
| <b>Contact Numbers</b>  |                           |
| <b>040 –23710047, 9985798869</b>  |                           |
| <b>WhatsApp : 9985798869</b>  |                           |

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