

Announcing A New Batch For Big Data With Hadoop Framework

(Only On-Line)

(Covering Detailed MapReduce, Pig, Hive, HBase, Spark And Scala etc)

B y

Sathish Yellanki

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

For Enquiries And Registrations Contact

Sathish Yellanki Institute of Software Solutions

Contact Numbers : 040 – 23710047, 9985798869

WhatsApp : 9985798869

Oracle By Sathish

SkyEss Techno Solutions Pvt. Ltd.

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

Ph No. 040 23710047, Mobile: 9985798869, WhatsApp:9985798869

Contact For Courses And Training in

**Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data**

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

<http://yellankisathish.com/>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

SQL> SELECT Empno, Ename, Deptno, Sal FROM Emp;

EMPNO	ENAME	DEPTNO	SAL
7839	KING	10	5000
7698	BLAKE	30	2850
7782	CLARK	10	2450
7566	JONES	20	2975
7654	MARTIN	30	1250
7499	ALLEN	30	1600
7844	TURNER	30	1500
7900	JAMES	30	950
7521	WARD	30	1250
7902	FORD	20	3000
7369	SMITH	20	800
7788	SCOTT	20	3000
7876	ADAMS	20	1100
7934	MILLER	10	1300

14 rows selected.

SQL> SELECT SUM(Sal) OrgSal FROM Emp;

ORGSAL
29025

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Empno, Ename, Deptno, Sal,
2  (
3  SELECT SUM(Sal)
4  FROM Emp
5  ) OrgSal
6* FROM Emp
SQL> /
```

EMPNO	ENAME	DEPTNO	SAL	ORGSAL
7839	KING	10	5000	29025
7698	BLAKE	30	2850	29025
7782	CLARK	10	2450	29025

SkyEss Techno Solutions Pvt. Ltd.

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

Ph No. 040 23710047, Mobile: 9985798869, WhatsApp:9985798869

Contact For Courses And Training in

**Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data**

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

<http://yellankisathish.com/>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

7566	JONES	20	2975	29025
7654	MARTIN	30	1250	29025
7499	ALLEN	30	1600	29025
7844	TURNER	30	1500	29025
7900	JAMES	30	950	29025
7521	WARD	30	1250	29025
7902	FORD	20	3000	29025
7369	SMITH	20	800	29025
7788	SCOTT	20	3000	29025
7876	ADAMS	20	1100	29025
7934	MILLER	10	1300	29025

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Empno, Ename, Deptno, Sal,
2  (
3  SELECT
4  SUM(Sal),
5  AVG(Sal)
6  FROM Emp
7  ) OrgSal
8* FROM Emp
```

SQL> /

```
SELECT
*
```

ERROR at line 3:

ORA-00913: too many values

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Empno, Ename, Deptno, Sal,
2  (
3  SELECT
4  SUM(Sal)
5  FROM Emp
6  ) OrgSalSum,
7  (
8  SELECT
9  AVG(Sal)
10 FROM Emp
11 ) OrgSalAvg
```

SkyEss Techno Solutions Pvt. Ltd.

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

Ph No. 040 23710047, Mobile: 9985798869, WhatsApp:9985798869

Contact For Courses And Training in

**Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data**

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

<http://yellankisathish.com/>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
12* FROM Emp
SQL> /
```

EMPNO	ENAME	DEPTNO	SAL	ORGSALSUM	ORGSALAVG
7839	KING	10	5000	29025	2073.21429
7698	BLAKE	30	2850	29025	2073.21429
7782	CLARK	10	2450	29025	2073.21429
7566	JONES	20	2975	29025	2073.21429
7654	MARTIN	30	1250	29025	2073.21429
7499	ALLEN	30	1600	29025	2073.21429
7844	TURNER	30	1500	29025	2073.21429
7900	JAMES	30	950	29025	2073.21429
7521	WARD	30	1250	29025	2073.21429
7902	FORD	20	3000	29025	2073.21429
7369	SMITH	20	800	29025	2073.21429
7788	SCOTT	20	3000	29025	2073.21429
7876	ADAMS	20	1100	29025	2073.21429
7934	MILLER	10	1300	29025	2073.21429

14 rows selected.

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

```
1  SELECT Empno, Ename, Deptno, Sal,
2  (
3  SELECT SUM(Sal)
4  FROM Emp
5  GROUP BY Deptno
6  ) OrgSalSum
7* FROM Emp
SQL> /
```

```
SELECT SUM(Sal)
*
```

ERROR at line 3:
ORA-01427: single-row subquery returns more than one row

```
SQL> SELECT OE.Empno, OE.Ename, OE.Deptno, OE.Sal
2  FROM Emp OE
3  WHERE OE.Sal >
4  (
5  SELECT AVG(Sal)
6  FROM Emp IE
7  WHERE IE.Deptno = OE.Deptno
```

SkyEss Techno Solutions Pvt. Ltd.

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

Ph No. 040 23710047, Mobile: 9985798869, WhatsApp:9985798869

Contact For Courses And Training in

**Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data**

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

<http://yellankisathish.com/>

8);

EMPNO	ENAME	DEPTNO	SAL
7839	KING	10	5000
7698	BLAKE	30	2850
7566	JONES	20	2975
7499	ALLEN	30	1600
7902	FORD	20	3000
7788	SCOTT	20	3000

6 rows selected.

```
SQL> SELECT OE.Empno, OE.Ename, OE.Deptno, OE.Sal
2 FROM Emp OE,
3 (
4 SELECT Deptno, AVG(Sal) SalAvg
5 FROM Emp
6 GROUP BY Deptno
7 ) IE
8 WHERE IE.Deptno = OE.Deptno AND OE.Sal > IE.SalAvg
9 /
```

EMPNO	ENAME	DEPTNO	SAL
7499	ALLEN	30	1600
7698	BLAKE	30	2850
7788	SCOTT	20	3000
7902	FORD	20	3000
7566	JONES	20	2975
7839	KING	10	5000

6 rows selected.

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

```
1 SELECT OE.Empno, OE.Ename, OE.Deptno, OE.Sal, IE.SalAvg
2 FROM Emp OE,
3 (
4 SELECT Deptno, AVG(Sal) SalAvg
5 FROM Emp
6 GROUP BY Deptno
7 ) IE
8* WHERE IE.Deptno = OE.Deptno AND OE.Sal > IE.SalAvg
SQL> /
```

SkyEss Techno Solutions Pvt. Ltd.

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

Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

**Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data**

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

<http://yellankisathish.com/>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

EMPNO	ENAME	DEPTNO	SAL	SALAVG
7499	ALLEN	30	1600	1566.66667
7698	BLAKE	30	2850	1566.66667
7788	SCOTT	20	3000	2175
7902	FORD	20	3000	2175
7566	JONES	20	2975	2175
7839	KING	10	5000	2916.66667

6 rows selected.

SQL> SET AUTOTRACE ON EXPLAIN

```
SQL> SELECT OE.Empno, OE.Ename, OE.Deptno, OE.Sal
2  FROM Emp OE,
3  (
4    SELECT Deptno, AVG(Sal) SalAvg
5    FROM Emp
6    GROUP BY Deptno
7  ) IE
8  WHERE IE.Deptno = OE.Deptno AND OE.Sal > IE.SalAvg;
```

EMPNO	ENAME	DEPTNO	SAL
7499	ALLEN	30	1600
7698	BLAKE	30	2850
7788	SCOTT	20	3000
7902	FORD	20	3000
7566	JONES	20	2975
7839	KING	10	5000

6 rows selected.

Execution Plan

Plan hash value: 2230095667

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time
0	SELECT STATEMENT		3	216	8 (25)	

00:00:01 |

SkyEss Techno Solutions Pvt. Ltd.

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

Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix, Big Data

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

<http://yellankisathish.com/>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```

|* 1 | HASH JOIN          |      |      3 |      216 |      8 (25) |
00:00:01 |
| 2 | TABLE ACCESS FULL | EMP |      14 |      644 |      3 (0) |
00:00:01 |
| 3 | VIEW                  |      |      14 |      364 |      4 (25) |
00:00:01 |
| 4 | HASH GROUP BY        |      |      14 |      364 |      4 (25) |
00:00:01 |
| 5 | TABLE ACCESS FULL | EMP |      14 |      364 |      3 (0) |
00:00:01 |

```

Predicate Information (identified by operation id):

```

1 - access("IE"."DEPTNO"="OE"."DEPTNO")
    filter("OE"."SAL">"IE"."SALAVG")

```

Note

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

```

SQL> SELECT OE.Empno, OE.Ename, OE.Deptno, OE.Sal
2   FROM Emp OE
3  WHERE OE.Sal >
4      (
5        SELECT AVG(Sal)
6        FROM Emp IE
7        WHERE IE.Deptno = OE.Deptno
8      );

```

EMPNO	ENAME	DEPTNO	SAL
7839	KING	10	5000
7698	BLAKE	30	2850
7566	JONES	20	2975
7499	ALLEN	30	1600
7902	FORD	20	3000
7788	SCOTT	20	3000

6 rows selected.

Execution Plan

SkyEss Techno Solutions Pvt. Ltd.

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

Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

**Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data**

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

<http://yellankisathish.com/>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

Plan hash value: 2649664444

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time
0	SELECT STATEMENT		3	138	6 (0)	00:00:01
* 1	FILTER					
2	TABLE ACCESS FULL	EMP	14	644	3 (0)	00:00:01
3	SORT AGGREGATE		1	26		
* 4	TABLE ACCESS FULL	EMP	1	26	3 (0)	00:00:01

Predicate Information (identified by operation id):

- 1 - filter("OE"."SAL"> (SELECT AVG("SAL") FROM "EMP" "IE" WHERE "IE"."DEPTNO"=:B1))
- 4 - filter("IE"."DEPTNO"=:B1)

Note

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

SQL> cl scr

```
SQL> SELECT Empno, Ename, E.Deptno, Sal, MGR
2 FROM Emp E
3 WHERE E.Sal >
4 (
5 SELECT M.Sal
6 FROM Emp M
7 WHERE M.Empno = E.MGR
8 );
```

EMPNO	ENAME	DEPTNO	SAL	MGR
7902	FORD	20	3000	7566

SkyEss Techno Solutions Pvt. Ltd.

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

Ph No. 040 23710047, Mobile: 9985798869, WhatsApp:9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix, Big Data

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

<http://yellankisathish.com/>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

7788 SCOTT

20

3000

7566

Execution Plan

Plan hash value: 2985774579

	Id	Operation	Name	Rows	Bytes
	0	SELECT STATEMENT		1	59
4	(0)	00:00:01			
*	1	FILTER			
	2	TABLE ACCESS FULL	EMP	14	826
3	(0)	00:00:01			
	3	TABLE ACCESS BY INDEX ROWID	EMP	1	26
1	(0)	00:00:01			
*	4	INDEX UNIQUE SCAN	EMP_PRIMARY_KEY	1	
1	(0)	00:00:01			

Predicate Information (identified by operation id):

1 - filter("E"."SAL"> (SELECT "M"."SAL" FROM "EMP" "M" WHERE
"M"."EMPNO"=:B1))
4 - access("M"."EMPNO"=:B1)

Note

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

```
SQL> SELECT Ename, Sal FROM Emp WHERE Empno = (SELECT Empno, Ename,  
E.Deptno, Sal, MGR  
2 FROM Emp E  
3 WHERE E.Sal >  
4 (  
5 SELECT M.Sal  
6 FROM Emp M  
7 WHERE M.Empno = E.MGR  
8
```

SkyEss Techno Solutions Pvt. Ltd.

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

Ph No. 040 23710047, Mobile: 9985798869, WhatsApp: 9985798869

Contact For Courses And Training in

**Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data**

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

<http://yellankisathish.com/>

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
SQL>
SQL> SELECT Ename, Sal FROM Emp WHERE Empno = 7566;
```

ENAME	SAL
JONES	2975

Execution Plan

Plan hash value: 2650221029

	Id	Operation	Name	Rows	Bytes
Cost (%CPU)		Time			
0	0	SELECT STATEMENT		1	33
1	(0)	00:00:01			
1	1	TABLE ACCESS BY INDEX ROWID	EMP	1	33
1	(0)	00:00:01			
*	2	INDEX UNIQUE SCAN	EMP_PRIMARY_KEY	1	
1	(0)	00:00:01			

Predicate Information (identified by operation id):

2 - access("EMPNO"=7566)

```
SQL> SPOOL OFF
```

SkyEss Techno Solutions Pvt. Ltd.

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

Ph No. 040 23710047, Mobile: 9985798869, WhatsApp:9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix, Big Data

Follow Me: <https://www.facebook.com/satishkumar.yellanki>

<http://yellankisathish.com/>

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	

SkyEss Techno Solutions Pvt. Ltd.
Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. 040 23710047, Mobile: 9985798869, **WhatsApp:9985798869**
Contact For Courses And Training in
Oracle Developer Suite 10g(D2K), Oracle11g(Weekend), Live Projects in SQL and PL/SQL,
Data Modeling, Linux/Unix, Big Data
Follow Me: <https://www.facebook.com/satishkumar.yellanki>
<http://yellankisathish.com/>