

**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 Yellanki

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

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<http://yellankisathish.com/>

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SQL> cl scr

```
SQL> SELECT Ename, Empno, Mgr, Job, Sal
  2  FROM Emp
  3  WHERE Deptno =
  4    (
  5    SELECT Deptno
  6    FROM Dept
  7    WHERE DName = 'SALES'
  8  )
  9  /
```

ENAME	EMPNO	MGR	JOB	SAL
BLAKE	7698	7839	MANAGER	2850
MARTIN	7654	7698	SALESMAN	1250
ALLEN	7499	7698	SALESMAN	1600
TURNER	7844	7698	SALESMAN	1500
JAMES	7900	7698	CLERK	950
WARD	7521	7698	SALESMAN	1250

6 rows selected.

```
SQL> SELECT Ename, Empno, Mgr, Job, Sal
  2  FROM Emp
  3  WHERE Deptno =
  4    (
  5    SELECT Deptno
  6    FROM Dept
  7    WHERE DName = 'SALES'
  8  )
  9  START WITH Ename = 'KING'
 10  CONNECT BY PRIOR Empno = MGR;
```

ENAME	EMPNO	MGR	JOB	SAL
BLAKE	7698	7839	MANAGER	2850
ALLEN	7499	7698	SALESMAN	1600
WARD	7521	7698	SALESMAN	1250
MARTIN	7654	7698	SALESMAN	1250
TURNER	7844	7698	SALESMAN	1500
JAMES	7900	7698	CLERK	950

6 rows selected.

SQL> cl scr

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```
SQL> SELECT
  2  Ename,
  3  Empno,
  4  Mgr,
  5  Job,
  6  Sal,
  7  ROUND(SalAvg, 2) SalAvg
  8  FROM Emp E,
  9  (
 10  SELECT Deptno, AVG(Sal) SalAvg
 11  FROM Emp
 12  GROUP BY Deptno
 13  ) E1
 14  WHERE E.Deptno = E1.Deptno
 15  /
```

ENAME	EMPNO	MGR	JOB	SAL	SALAVG
WARD	7521	7698	SALESMAN	1250	1566.67
JAMES	7900	7698	CLERK	950	1566.67
TURNER	7844	7698	SALESMAN	1500	1566.67
ALLEN	7499	7698	SALESMAN	1600	1566.67
MARTIN	7654	7698	SALESMAN	1250	1566.67
BLAKE	7698	7839	MANAGER	2850	1566.67
ADAMS	7876	7788	CLERK	1100	2175
SCOTT	7788	7566	ANALYST	3000	2175
SMITH	7369	7902	CLERK	800	2175
FORD	7902	7566	ANALYST	3000	2175
JONES	7566	7839	MANAGER	2975	2175
MILLER	7934	7782	CLERK	1300	2916.67
CLARK	7782	7839	MANAGER	2450	2916.67
KING	7839		PRESIDENT	5000	2916.67

14 rows selected.

```
SQL> SELECT
  2  Ename,
  3  Empno,
  4  Mgr,
  5  Job,
  6  Sal,
  7  ROUND(SalAvg, 2) SalAvg
  8  FROM Emp E,
  9  (
 10  SELECT Deptno, AVG(Sal) SalAvg
 11  FROM Emp
```

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```
12 GROUP BY Deptno
13 ) E1
14 WHERE E.Deptno = E1.Deptno
15 START WITH Ename = 'KING'
16 CONNECT BY PRIOR Empno = MGR;
```

ENAME	EMPNO	MGR	JOB	SAL	SALAVG
KING	7839		PRESIDENT	5000	2916.67
JONES	7566	7839	MANAGER	2975	2175
SCOTT	7788	7566	ANALYST	3000	2175
ADAMS	7876	7788	CLERK	1100	2175
FORD	7902	7566	ANALYST	3000	2175
SMITH	7369	7902	CLERK	800	2175
BLAKE	7698	7839	MANAGER	2850	1566.67
ALLEN	7499	7698	SALESMAN	1600	1566.67
WARD	7521	7698	SALESMAN	1250	1566.67
MARTIN	7654	7698	SALESMAN	1250	1566.67
TURNER	7844	7698	SALESMAN	1500	1566.67
JAMES	7900	7698	CLERK	950	1566.67
CLARK	7782	7839	MANAGER	2450	2916.67
MILLER	7934	7782	CLERK	1300	2916.67

14 rows selected.

SQL> cl scr

```
SQL> SELECT
  2  Ename,
  3  Empno,
  4  Mgr,
  5  Job,
  6  Sal,
  7  ROUND(SalAvg, 2) SalAvg
  8  FROM Emp E,
  9  (
10  SELECT Deptno, AVG(Sal) SalAvg
11  FROM Emp
12  GROUP BY Deptno
13  ) E1
14  WHERE E.Deptno = E1.Deptno AND
15  E1.Deptno =
16  (
17  SELECT Deptno
18  FROM Dept
19  WHERE Dname = 'SALES'
20  )
```

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21 /

ENAME	EMPNO	MGR	JOB	SAL	SALAVG
TURNER	7844	7698	SALESMAN	1500	1566.67
MARTIN	7654	7698	SALESMAN	1250	1566.67
JAMES	7900	7698	CLERK	950	1566.67
WARD	7521	7698	SALESMAN	1250	1566.67
BLAKE	7698	7839	MANAGER	2850	1566.67
ALLEN	7499	7698	SALESMAN	1600	1566.67

6 rows selected.

```

SQL> SELECT
  2  Ename,
  3  Empno,
  4  Mgr,
  5  Job,
  6  Sal,
  7  ROUND(SalAvg, 2) SalAvg
  8  FROM Emp E,
  9  (
10  SELECT Deptno, AVG(Sal) SalAvg
11  FROM Emp
12  GROUP BY Deptno
13  ) E1
14  WHERE E.Deptno = E1.Deptno AND
15  E1.Deptno =
16  (
17  SELECT Deptno
18  FROM Dept
19  WHERE Dname = 'SALES'
20  )
21  START WITH Ename = 'KING'
22  CONNECT BY PRIOR Empno = MGR ;

```

ENAME	EMPNO	MGR	JOB	SAL	SALAVG
BLAKE	7698	7839	MANAGER	2850	1566.67
ALLEN	7499	7698	SALESMAN	1600	1566.67
WARD	7521	7698	SALESMAN	1250	1566.67
MARTIN	7654	7698	SALESMAN	1250	1566.67
TURNER	7844	7698	SALESMAN	1500	1566.67
JAMES	7900	7698	CLERK	950	1566.67

6 rows selected.

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```
SQL> SELECT
  2  Ename,
  3  Empno,
  4  Mgr,
  5  Job,
  6  Sal,
  7  ROUND(SalAvg, 2) SalAvg,
  8  ROUND
  9  (
10      (
11          (
12              SELECT AVG(Sal)
13              FROM Emp
14              ) - SalAvg
15          ), 2
16      ) AvgDif
17  FROM Emp E,
18      (
19          SELECT Deptno, AVG(Sal) SalAvg
20          FROM Emp
21          GROUP BY Deptno
22      ) E1
23  WHERE E.Deptno = E1.Deptno AND
24  E1.Deptno =
25      (
26          SELECT Deptno
27          FROM Dept
28          WHERE Dname = 'SALES'
29      )
30  /
```

ENAME AVGDIF	EMPNO	MGR	JOB	SAL	SALAVG
WARD 506.55	7521	7698	SALESMAN	1250	1566.67
JAMES 506.55	7900	7698	CLERK	950	1566.67
TURNER 506.55	7844	7698	SALESMAN	1500	1566.67
ALLEN 506.55	7499	7698	SALESMAN	1600	1566.67
MARTIN 506.55	7654	7698	SALESMAN	1250	1566.67
BLAKE 506.55	7698	7839	MANAGER	2850	1566.67

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6 rows selected.

```
SQL> SELECT
  2  Ename,
  3  Empno,
  4  Mgr,
  5  Job,
  6  Sal,
  7  ROUND(SalAvg, 2) SalAvg,
  8  ROUND
  9  (
10      (
11          (
12              SELECT AVG(Sal)
13              FROM Emp
14              ) - SalAvg
15          ), 2
16      ) AvgDif
17 FROM Emp E,
18      (
19      SELECT Deptno, AVG(Sal) SalAvg
20      FROM Emp
21      GROUP BY Deptno
22      ) E1
23 WHERE E.Deptno = E1.Deptno AND
24 E1.Deptno =
25      (
26      SELECT Deptno
27      FROM Dept
28      WHERE Dname = 'SALES'
29      )
30 START WITH Ename = 'KING'
31 CONNECT BY PRIOR Empno = MGR;
```

ENAME	EMPNO	MGR	JOB	SAL	SALAVG
AVGDIF					
----	----	----	----	----	----
--					
BLAKE	7698	7839	MANAGER	2850	1566.67
506.55					
ALLEN	7499	7698	SALESMAN	1600	1566.67
506.55					
WARD	7521	7698	SALESMAN	1250	1566.67
506.55					
MARTIN	7654	7698	SALESMAN	1250	1566.67
506.55					

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TURNER	7844	7698 SALESMAN	1500	1566.67
506.55				
JAMES	7900	7698 CLERK	950	1566.67
506.55				

6 rows selected.

```
SQL> SELECT
  2  Ename,
  3  Empno,
  4  Mgr,
  5  Job,
  6  Sal,
  7  ROUND(SalAvg, 2) SalAvg,
  8  ROUND
  9  (
10      (
11          (
12              SELECT AVG(Sal)
13              FROM Emp
14              ) - SalAvg
15          ), 2
16      ) AvgDif
17 FROM Emp E,
18 (
19     SELECT Deptno, AVG(Sal) SalAvg
20     FROM Emp
21     GROUP BY Deptno
22     ) E1
23 WHERE E.Deptno = E1.Deptno AND
24 E1.Deptno =
25 (
26     SELECT Deptno
27     FROM Dept
28     WHERE Dname = 'SALES'
29     )
30 START WITH Ename =
31 (
32     SELECT Ename
33     FROM Emp
34     WHERE Sal =
35     (
36         SELECT MAX(Sal)
37         FROM Emp
38         WHERE Deptno =
39         (
40             SELECT Deptno
```

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```

41          FROM Dept
42          WHERE Dname = 'ACCOUNTING'
43          )
44      )
45  )
46  CONNECT BY PRIOR Empno = MGR;

```

ENAME AVGDIF	EMPNO	MGR	JOB	SAL	SALAVG
BLAKE 506.55	7698	7839	MANAGER	2850	1566.67
ALLEN 506.55	7499	7698	SALESMAN	1600	1566.67
WARD 506.55	7521	7698	SALESMAN	1250	1566.67
MARTIN 506.55	7654	7698	SALESMAN	1250	1566.67
TURNER 506.55	7844	7698	SALESMAN	1500	1566.67
JAMES 506.55	7900	7698	CLERK	950	1566.67

6 rows selected.

SQL> cl scr

SQL> ED

Wrote file afiedt.buf

```

1  SELECT
2  Ename,
3  Empno,
4  Mgr,
5  Job,
6  Sal
7  FROM Emp
8  START WITH Ename = 'KING'
9* CONNECT BY Empno = MGR

```

SQL> /

ENAME	EMPNO	MGR	JOB	SAL
KING	7839		PRESIDENT	5000

SQL> ED

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Wrote file afiedt.buf

```
1  SELECT
2  Ename,
3  Empno,
4  Mgr,
5  Job,
6  Sal
7  FROM Emp
8  START WITH Ename = 'KING'
9* CONNECT BY PRIOR Empno = MGR
SQL> /
```

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

14 rows selected.

SQL> cl scr

```
SQL> SELECT
2  Ename Name,
3  CONNECT_BY_ROOT(Ename) BossName,
4  CONNECT_BY_ROOT(Empno) BossID
5  FROM Emp
6  START WITH Empno = 7839
7  CONNECT BY PRIOR Empno = MGR;
```

NAME	BOSSNAME	BOSSID
KING	KING	7839
JONES	KING	7839
SCOTT	KING	7839

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```
ADAMS      KING      7839
FORD       KING      7839
SMITH      KING      7839
BLAKE      KING      7839
ALLEN      KING      7839
WARD       KING      7839
MARTIN     KING      7839
TURNER     KING      7839
JAMES      KING      7839
CLARK      KING      7839
MILLER     KING      7839
```

14 rows selected.

SQL> cl scr

```
SQL> SELECT
  2  Ename Name,
  3  HireDate,
  4  CONNECT_BY_ROOT Ename Boss,
  5  CONNECT_BY_ROOT HireDate BossHire,
  6  ROUND(CONNECT_BY_ROOT HireDate - HireDate) Days
  7  FROM Emp
  8  WHERE SIGN(CONNECT_BY_ROOT HireDate - HireDate) = 1
  9  START WITH Job = 'PRESIDENT'
 10  CONNECT BY PRIOR Empno = MGR;
```

NAME	HIREDATE	BOSS	BOSSHIRE	DAYS
JONES	02-APR-81	KING	17-NOV-81	229
SMITH	17-DEC-80	KING	17-NOV-81	335
BLAKE	01-MAY-81	KING	17-NOV-81	200
ALLEN	20-FEB-81	KING	17-NOV-81	270
WARD	22-FEB-81	KING	17-NOV-81	268
MARTIN	28-SEP-81	KING	17-NOV-81	50
TURNER	08-SEP-81	KING	17-NOV-81	70
CLARK	09-JUN-81	KING	17-NOV-81	161

8 rows selected.

SQL> ED
Wrote file afiedt.buf

```
1  SELECT
2  Ename Name,
3  HireDate,
4  CONNECT_BY_ROOT Ename Boss,
```

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```
5 CONNECT_BY_ROOT HireDate BossHire,
6 ROUND(CONNECT_BY_ROOT HireDate - HireDate) Days
7 FROM Emp
8 WHERE SIGN(CONNECT_BY_ROOT HireDate - HireDate) = -1
9 START WITH Job = 'PRESIDENT'
10* CONNECT BY PRIOR Empno = MGR
SQL> /
```

NAME	HIREDATE	BOSS	BOSSHIRE	DAYS
SCOTT	09-DEC-82	KING	17-NOV-81	-387
ADAMS	12-JAN-83	KING	17-NOV-81	-421
FORD	03-DEC-81	KING	17-NOV-81	-16
JAMES	03-DEC-81	KING	17-NOV-81	-16
MILLER	23-JAN-82	KING	17-NOV-81	-67

SQL> cl scr

```
SQL> COLUMN "Path" FORMAT A35
SQL> SELECT
2  Ename,
3  SYS_CONNECT_BY_PATH(Ename, '/') "Path"
4  FROM Emp
5  START WITH Ename = 'KING'
6  CONNECT BY PRIOR Empno = MGR;
```

ENAME	Path
KING	/KING
JONES	/KING/JONES
SCOTT	/KING/JONES/SCOTT
ADAMS	/KING/JONES/SCOTT/ADAMS
FORD	/KING/JONES/FORD
SMITH	/KING/JONES/FORD/SMITH
BLAKE	/KING/BLAKE
ALLEN	/KING/BLAKE/ALLEN
WARD	/KING/BLAKE/WARD
MARTIN	/KING/BLAKE/MARTIN
TURNER	/KING/BLAKE/TURNER
JAMES	/KING/BLAKE/JAMES
CLARK	/KING/CLARK
MILLER	/KING/CLARK/MILLER

14 rows selected.

SQL> SPOOL OFF

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OF	
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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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