

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

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	<b>Sathish Yellanki</b> <b>Institute of Software Solutions</b>
<b>Announcing A New Batch</b> <b>For</b> <b>Oracle 11g R2</b> <b>(SQL And PL/SQL)</b>	
<b>Date : 18<sup>th</sup> June 2015</b> <b>Time : 04.00 P.M.</b>	<b>Registrations</b> <b>Started</b>
<b><u>Contact Details</u></b> Flat No : 201, 2 <sup>nd</sup> Floor, Abhilash Tower SR Nagar Main Road, Near SR Nagar Community Hall. Land Mark : Just Bake Bakery, Hyderabad. Phone : 91 40 2371 0047, 64640047, 9985798869	

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### **SkyEss Techno Solutions Pvt. Ltd.**

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

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

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**Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix**

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**Sathish Yellanki**  
**Institute of Software Solutions**

**Announcing A New Batch  
For  
Performance Tuning**

**Date : 22<sup>nd</sup> June 2015**  
**Time : 12.30 P.M.**

**Registrations  
Started**

**Contact Details**

Flat No : 201, 2<sup>nd</sup> Floor, Abhilash Tower  
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---

SQL> cl scr

```
SQL> SELECT
  2  Ename,
  3  HireDate,
  4  COUNT(*)
  5  OVER
  6  (
  7  ORDER BY HireDate ASC
  8  RANGE 100 PRECEDING
  9  ) HireCnt
 10  FROM Emp
 11  ORDER BY HireDate ASC;
```

ENAME	HIREDATE	HIRECNT
SMITH	17-DEC-80	1
ALLEN	20-FEB-81	2
WARD	22-FEB-81	3
JONES	02-APR-81	3
BLAKE	01-MAY-81	4
CLARK	09-JUN-81	3
TURNER	08-SEP-81	2
MARTIN	28-SEP-81	2
KING	17-NOV-81	3
JAMES	03-DEC-81	5
FORD	03-DEC-81	5
MILLER	23-JAN-82	4
SCOTT	09-DEC-82	1
ADAMS	12-JAN-83	2

14 rows selected.

SQL> ED  
Wrote file afiedt.buf

```
1  SELECT
2  Ename,
3  HireDate,
4  HireDate - 100 "100Days",
5  COUNT(*)
6  OVER
7  (
8  ORDER BY HireDate ASC
9  RANGE 100 PRECEDING
10 ) HireCnt
```

---

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```
11 FROM Emp
12* ORDER BY HireDate ASC
SQL> /
```

ENAME	HIREDATE	100Days	HIRECNT
SMITH	17-DEC-80	08-SEP-80	1
ALLEN	20-FEB-81	12-NOV-80	2
WARD	22-FEB-81	14-NOV-80	3
JONES	02-APR-81	23-DEC-80	3
BLAKE	01-MAY-81	21-JAN-81	4
CLARK	09-JUN-81	01-MAR-81	3
TURNER	08-SEP-81	31-MAY-81	2
MARTIN	28-SEP-81	20-JUN-81	2
KING	17-NOV-81	09-AUG-81	3
JAMES	03-DEC-81	25-AUG-81	5
FORD	03-DEC-81	25-AUG-81	5
MILLER	23-JAN-82	15-OCT-81	4
SCOTT	09-DEC-82	31-AUG-82	1
ADAMS	12-JAN-83	04-OCT-82	2

14 rows selected.

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

```
1 SELECT
2 Ename,
3 HireDate,
4 HireDate - 100 "100Days",
5 Sal,
6 SUM(Sal)
7 OVER
8 (
9 ORDER BY HireDate ASC
10 RANGE 100 PRECEDING
11 ) HireCnt
12 FROM Emp
13* ORDER BY HireDate ASC
SQL> /
```

ENAME	HIREDATE	100Days	SAL	HIRECNT
SMITH	17-DEC-80	08-SEP-80	800	800
ALLEN	20-FEB-81	12-NOV-80	1600	2400
WARD	22-FEB-81	14-NOV-80	1250	3650
JONES	02-APR-81	23-DEC-80	2975	5825

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```
.....
BLAKE      01-MAY-81 21-JAN-81      2850      8675
CLARK      09-JUN-81 01-MAR-81      2450      8275
TURNER     08-SEP-81 31-MAY-81      1500      3950
MARTIN     28-SEP-81 20-JUN-81      1250      2750
KING       17-NOV-81 09-AUG-81      5000      7750
JAMES      03-DEC-81 25-AUG-81       950     11700
FORD       03-DEC-81 25-AUG-81      3000     11700
MILLER     23-JAN-82 15-OCT-81      1300     10250
SCOTT      09-DEC-82 31-AUG-82      3000      3000
ADAMS      12-JAN-83 04-OCT-82      1100      4100
```

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT
2  Ename,
3  HireDate,
4  HireDate - 100 "100Days",
5  Sal,
6  SUM(Sal)
7  OVER
8  (
9  ORDER BY HireDate ASC
10 RANGE 100 PRECEDING
11 ) SumSal,
12 COUNT(*)
13 OVER
14 (
15 ORDER BY HireDate ASC
16 RANGE 100 PRECEDING
17 ) HireCnt,
18 AVG(Sal)
19 OVER
20 (
21 ORDER BY HireDate ASC
22 RANGE 100 PRECEDING
23 ) AvgSal
24 FROM Emp
25* ORDER BY HireDate ASC
SQL> /
```

ENAME	HIREDATE	100Days	SAL	SUMSAL	HIRECNT
AVGSAL					

-

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```
SMITH      17-DEC-80 08-SEP-80      800      800      1
800
ALLEN      20-FEB-81 12-NOV-80     1600     2400      2
1200
WARD       22-FEB-81 14-NOV-80     1250     3650      3
1216.66667
JONES      02-APR-81 23-DEC-80     2975     5825      3
1941.66667
BLAKE      01-MAY-81 21-JAN-81     2850     8675      4
2168.75
CLARK      09-JUN-81 01-MAR-81     2450     8275      3
2758.33333
TURNER     08-SEP-81 31-MAY-81     1500     3950      2
1975
MARTIN     28-SEP-81 20-JUN-81     1250     2750      2
1375
KING       17-NOV-81 09-AUG-81     5000     7750      3
2583.33333
JAMES      03-DEC-81 25-AUG-81      950    11700      5
2340
FORD       03-DEC-81 25-AUG-81     3000    11700      5
2340
MILLER     23-JAN-82 15-OCT-81     1300    10250      4
2562.5
SCOTT      09-DEC-82 31-AUG-82     3000     3000      1
3000
ADAMS      12-JAN-83 04-OCT-82     1100     4100      2
2050
```

14 rows selected.

SQL> cl scr

```
SQL> SELECT
  2  Ename,
  3  HireDate,
  4  Sal
  5  FROM Emp;
```

ENAME	HIREDATE	SAL
KING	17-NOV-81	5000
BLAKE	01-MAY-81	2850
CLARK	09-JUN-81	2450
JONES	02-APR-81	2975
MARTIN	28-SEP-81	1250
ALLEN	20-FEB-81	1600

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TURNER	08-SEP-81	1500
JAMES	03-DEC-81	950
WARD	22-FEB-81	1250
FORD	03-DEC-81	3000
SMITH	17-DEC-80	800
SCOTT	09-DEC-82	3000
ADAMS	12-JAN-83	1100
MILLER	23-JAN-82	1300

14 rows selected.

```
SQL> SELECT
      2  Ename,
      3  HireDate,
      4  LAG(Sal)
      5  OVER
      6  (
      7  ORDER BY HireDate
      8  ) PreSal
      9  FROM Emp;
```

ENAME	HIREDATE	PRESAL
SMITH	17-DEC-80	
ALLEN	20-FEB-81	800
WARD	22-FEB-81	1600
JONES	02-APR-81	1250
BLAKE	01-MAY-81	2975
CLARK	09-JUN-81	2850
TURNER	08-SEP-81	2450
MARTIN	28-SEP-81	1500
KING	17-NOV-81	1250
JAMES	03-DEC-81	5000
FORD	03-DEC-81	950
MILLER	23-JAN-82	3000
SCOTT	09-DEC-82	1300
ADAMS	12-JAN-83	3000

14 rows selected.

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

```
1  SELECT
2  Ename,
3  HireDate,
4  Sal,
```

---

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```
5 LAG(Sal)
6 OVER
7 (
8 ORDER BY HireDate
9 ) PreSal
10* FROM Emp
SQL> /
```

ENAME	HIREDATE	SAL	PRESAL
SMITH	17-DEC-80	800	
ALLEN	20-FEB-81	1600	800
WARD	22-FEB-81	1250	1600
JONES	02-APR-81	2975	1250
BLAKE	01-MAY-81	2850	2975
CLARK	09-JUN-81	2450	2850
TURNER	08-SEP-81	1500	2450
MARTIN	28-SEP-81	1250	1500
KING	17-NOV-81	5000	1250
JAMES	03-DEC-81	950	5000
FORD	03-DEC-81	3000	950
MILLER	23-JAN-82	1300	3000
SCOTT	09-DEC-82	3000	1300
ADAMS	12-JAN-83	1100	3000

14 rows selected.

```
SQL> SELECT
2 Ename,
3 HireDate,
4 Sal,
5 LAG(Sal, 1, 0)
6 OVER
7 (
8 ORDER BY HireDate
9 ) PreSal
10 FROM Emp;
```

ENAME	HIREDATE	SAL	PRESAL
SMITH	17-DEC-80	800	0
ALLEN	20-FEB-81	1600	800
WARD	22-FEB-81	1250	1600
JONES	02-APR-81	2975	1250
BLAKE	01-MAY-81	2850	2975
CLARK	09-JUN-81	2450	2850
TURNER	08-SEP-81	1500	2450

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```
MARTIN      28-SEP-81      1250      1500
KING        17-NOV-81      5000      1250
JAMES       03-DEC-81       950      5000
FORD        03-DEC-81      3000       950
MILLER      23-JAN-82      1300      3000
SCOTT       09-DEC-82      3000      1300
ADAMS       12-JAN-83      1100      3000
```

14 rows selected.

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

```
1  SELECT
2  Ename,
3  HireDate,
4  Sal,
5  LAG(Sal, 2, 0)
6  OVER
7  (
8  ORDER BY HireDate
9  ) PreSal
10* FROM Emp
SQL> /
```

ENAME	HIREDATE	SAL	PRESAL
SMITH	17-DEC-80	800	0
ALLEN	20-FEB-81	1600	0
WARD	22-FEB-81	1250	800
JONES	02-APR-81	2975	1600
BLAKE	01-MAY-81	2850	1250
CLARK	09-JUN-81	2450	2975
TURNER	08-SEP-81	1500	2850
MARTIN	28-SEP-81	1250	2450
KING	17-NOV-81	5000	1500
JAMES	03-DEC-81	950	1250
FORD	03-DEC-81	3000	5000
MILLER	23-JAN-82	1300	950
SCOTT	09-DEC-82	3000	3000
ADAMS	12-JAN-83	1100	1300

14 rows selected.

```
SQL> SELECT
2  Ename,
3  HireDate,
```

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```
4 Sal,
5 LEAD(Sal, 1, 0)
6 OVER
7 (
8 ORDER BY HireDate
9 ) NextSal
10 FROM Emp;
```

ENAME	HIREDATE	SAL	NEXTSAL
SMITH	17-DEC-80	800	1600
ALLEN	20-FEB-81	1600	1250
WARD	22-FEB-81	1250	2975
JONES	02-APR-81	2975	2850
BLAKE	01-MAY-81	2850	2450
CLARK	09-JUN-81	2450	1500
TURNER	08-SEP-81	1500	1250
MARTIN	28-SEP-81	1250	5000
KING	17-NOV-81	5000	950
JAMES	03-DEC-81	950	3000
FORD	03-DEC-81	3000	1300
MILLER	23-JAN-82	1300	3000
SCOTT	09-DEC-82	3000	1100
ADAMS	12-JAN-83	1100	0

14 rows selected.

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

```
1 SELECT
2 Ename,
3 HireDate,
4 LAG(Sal, 1, 0)
5 OVER
6 (
7 ORDER BY HireDate
8 ) PreSal,
9 Sal,
10 LEAD(Sal, 1, 0)
11 OVER
12 (
13 ORDER BY HireDate
14 ) NextSal
15* FROM Emp
SQL> /
```

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ENAME	HIREDATE	PRESAL	SAL	NEXTSAL
SMITH	17-DEC-80	0	800	1600
ALLEN	20-FEB-81	800	1600	1250
WARD	22-FEB-81	1600	1250	2975
JONES	02-APR-81	1250	2975	2850
BLAKE	01-MAY-81	2975	2850	2450
CLARK	09-JUN-81	2850	2450	1500
TURNER	08-SEP-81	2450	1500	1250
MARTIN	28-SEP-81	1500	1250	5000
KING	17-NOV-81	1250	5000	950
JAMES	03-DEC-81	5000	950	3000
FORD	03-DEC-81	950	3000	1300
MILLER	23-JAN-82	3000	1300	3000
SCOTT	09-DEC-82	1300	3000	1100
ADAMS	12-JAN-83	3000	1100	0

14 rows selected.

```
SQL> SELECT
  2  Ename,
  3  HireDate,
  4  Sal,
  5  Sal - LAG(Sal, 1, 0)
  6  OVER
  7      (
  8          ORDER BY HireDate
  9      ) DiffPreSal
 10 FROM Emp;
```

ENAME	HIREDATE	SAL	DIFFPRESAL
SMITH	17-DEC-80	800	800
ALLEN	20-FEB-81	1600	800
WARD	22-FEB-81	1250	-350
JONES	02-APR-81	2975	1725
BLAKE	01-MAY-81	2850	-125
CLARK	09-JUN-81	2450	-400
TURNER	08-SEP-81	1500	-950
MARTIN	28-SEP-81	1250	-250
KING	17-NOV-81	5000	3750
JAMES	03-DEC-81	950	-4050
FORD	03-DEC-81	3000	2050
MILLER	23-JAN-82	1300	-1700
SCOTT	09-DEC-82	3000	1700
ADAMS	12-JAN-83	1100	-1900

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---

14 rows selected.

```
SQL> SELECT
  2  Ename,
  3  HireDate,
  4  Sal,
  5  Sal - LEAD(Sal, 1, 0)
  6  OVER
  7  (
  8    ORDER BY HireDate
  9  ) DiffNextSal
10  FROM Emp;
```

ENAME	HIREDATE	SAL	DIFFNEXTSAL
SMITH	17-DEC-80	800	-800
ALLEN	20-FEB-81	1600	350
WARD	22-FEB-81	1250	-1725
JONES	02-APR-81	2975	125
BLAKE	01-MAY-81	2850	400
CLARK	09-JUN-81	2450	950
TURNER	08-SEP-81	1500	250
MARTIN	28-SEP-81	1250	-3750
KING	17-NOV-81	5000	4050
JAMES	03-DEC-81	950	-2050
FORD	03-DEC-81	3000	1700
MILLER	23-JAN-82	1300	-1700
SCOTT	09-DEC-82	3000	1900
ADAMS	12-JAN-83	1100	1100

14 rows selected.

```
SQL> COLUMN Remarks FORMAT A30
SQL> SELECT
  2  E1.Ename,
  3  E1.HireDate,
  4  E1.Sal,
  5  ABS(E1.DiffNextSal) || DECODE
  6  (
  7    SIGN(E1.DiffNextSal),
  8    1, ' More Than Next Salary.',
  9    -1, ' Less Than Next Salary.',
10    ' Salaries Equal.'
11  ) Remarks
12  FROM
13  (
14  SELECT
```

---

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```
15  Ename,
16  HireDate,
17  Sal,
18  Sal - LEAD(Sal, 1, 0)
19      OVER
20      (
21          ORDER BY HireDate
22      ) DiffNextSal
23  FROM Emp
24  ) E1;
```

ENAME	HIREDATE	SAL	REMARKS
SMITH	17-DEC-80	800	800 Less Than Next Salary.
ALLEN	20-FEB-81	1600	350 More Than Next Salary.
WARD	22-FEB-81	1250	1725 Less Than Next Salary.
JONES	02-APR-81	2975	125 More Than Next Salary.
BLAKE	01-MAY-81	2850	400 More Than Next Salary.
CLARK	09-JUN-81	2450	950 More Than Next Salary.
TURNER	08-SEP-81	1500	250 More Than Next Salary.
MARTIN	28-SEP-81	1250	3750 Less Than Next Salary.
KING	17-NOV-81	5000	4050 More Than Next Salary.
JAMES	03-DEC-81	950	2050 Less Than Next Salary.
FORD	03-DEC-81	3000	1700 More Than Next Salary.
MILLER	23-JAN-82	1300	1700 Less Than Next Salary.
SCOTT	09-DEC-82	3000	1900 More Than Next Salary.
ADAMS	12-JAN-83	1100	1100 More Than Next Salary.

14 rows selected.

```
SQL> COLUMN Remarks FORMAT A40
SQL> SELECT
  2  E1.Deptno,
  3  E1.DeptSalSum,
  4  ABS(E1.DeptSalSum - NextSal)||
  5  DECODE
  6  (
  7  NVL
  8  (
  9  SIGN(E1.DeptSalSum - NextSal), 0
 10  ),
 11  1, ' More Budget Than Next Department',
 12  -1, ' Less Budget Than Next Department',
 13  0, ' Terminating Department'
 14  ) Remarks
 15  FROM
 16  (
```

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```
17  SELECT
18  Deptno,
19  SUM(Sal) DeptSalSum,
20  LEAD(SUM(Sal), 1, NULL)
21  OVER
22      (
23      ORDER BY Deptno
24      ) NextSal
25  FROM  Emp
26  GROUP BY Deptno
27  ) E1;
```

DEPTNO DEPTSALSUM REMARKS

```
-----
      10      8750 2125 Less Budget Than Next Department
      20     10875 1475 More Budget Than Next Department
      30      9400 Terminating Department
```

```
SQL> BREAK ON Deptno SKIP 1
SQL> COLUMN DaysDiff FORMAT A40
SQL> COLUMN DEPTNO FORMAT 99
SQL> COLUMN ENAME FORMAT A10
SQL> SELECT
      2  Deptno,
      3  Ename,
      4  HireDate,
      5  LAG(HireDate, 1, NULL)
      6  OVER
      7      (
      8  PARTITION BY Deptno
      9  ORDER BY HireDate, Ename
     10  ) Last_Hire,
     11  NVL
     12      (
     13  HireDate - LAG(HireDate, 1, Null)
     14  OVER
     15      (
     16  PARTITION BY Deptno
     17  ORDER BY HireDate, Ename
     18  ), 0
     19  )||' Days of Difference.' DaysDiff
     20  FROM  Emp
     21  ORDER BY DeptNo, HireDate;
```

```
DEPTNO ENAME      HIREDATE  LAST_HIRE  DAYSDIFF
-----
-----
```

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---

10	CLARK	09-JUN-81		0 Days of Difference.
	KING	17-NOV-81	09-JUN-81	161 Days of Difference.
	MILLER	23-JAN-82	17-NOV-81	67 Days of Difference.
20	SMITH	17-DEC-80		0 Days of Difference.
	JONES	02-APR-81	17-DEC-80	106 Days of Difference.
	FORD	03-DEC-81	02-APR-81	245 Days of Difference.
	SCOTT	09-DEC-82	03-DEC-81	371 Days of Difference.
	ADAMS	12-JAN-83	09-DEC-82	34 Days of Difference.
30	ALLEN	20-FEB-81		0 Days of Difference.
	WARD	22-FEB-81	20-FEB-81	2 Days of Difference.
	BLAKE	01-MAY-81	22-FEB-81	68 Days of Difference.
	TURNER	08-SEP-81	01-MAY-81	130 Days of Difference.
	MARTIN	28-SEP-81	08-SEP-81	20 Days of Difference.
	JAMES	03-DEC-81	28-SEP-81	66 Days of Difference.

14 rows selected.

SQL> SPOOL OFF

---

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	<b>Sathish Yellanki</b> <b>Institute of Software Solutions</b>
<b>Announcing A New Batch For Performance Tuning</b>	
<b>Date : 22<sup>nd</sup> June 2015</b> <b>Time : 12.30 P.M.</b>	<b>Registrations Started</b>
<b><u>Contact Details</u></b> Flat No : 201, 2 <sup>nd</sup> Floor, Abhilash Tower SR Nagar Main Road, Near SR Nagar Community Hall. Land Mark : Just Bake Bakery, Hyderabad. Phone : 91 40 2371 0047, 64640047, 9985798869	

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	<b>Sathish Yellanki</b> <b>Institute of Software Solutions</b>
<b>Announcing A New Batch</b> <b>For</b> <b>Oracle 11g R2</b> <b>(SQL And PL/SQL)</b>	
<b>Date : 18<sup>th</sup> June 2015</b> <b>Time : 04.00 P.M.</b>	<b>Registrations</b> <b>Started</b>
<b><u>Contact Details</u></b> Flat No : 201, 2 <sup>nd</sup> Floor, Abhilash Tower SR Nagar Main Road, Near SR Nagar Community Hall. Land Mark : Just Bake Bakery, Hyderabad. Phone : 91 40 2371 0047, 64640047, 9985798869	

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