

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

	Sathish Yellanki Institute of Software Solutions
Announcing A New Batch For Oracle 11g R2 (SQL And PL/SQL)	
Date : 18th June 2015 Time : 04.00 P.M.	Registrations Started
<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 : 91 40 2371 0047, 64640047, 9985798869	

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Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

```
SQL> SELECT
  2  Ename,
  3  Deptno,
  4  Sal,
  5  FIRST_VALUE(Ename)
  6  OVER
  7  (
  8    PARTITION BY DeptNo
  9    ORDER BY Sal DESC
 10  ) FIRST_VALUE
 11  FROM Emp
 12  ORDER BY Deptno, Sal DESC, Ename DESC;
```

ENAME	DEPTNO	SAL	FIRST_VALU
KING	10	5000	KING
CLARK	10	2450	KING
MILLER	10	1300	KING
SCOTT	20	3000	SCOTT
FORD	20	3000	SCOTT
JONES	20	2975	SCOTT
ADAMS	20	1100	SCOTT
SMITH	20	800	SCOTT
BLAKE	30	2850	BLAKE
ALLEN	30	1600	BLAKE
TURNER	30	1500	BLAKE
WARD	30	1250	BLAKE
MARTIN	30	1250	BLAKE
JAMES	30	950	BLAKE

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT
2  Ename,
3  Deptno,
4  Sal,
5  FIRST_VALUE(Ename)
6  OVER
7  (
8    PARTITION BY DeptNo
9    ORDER BY Sal DESC
10  ) FIRST_VALUE
```

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```
11 FROM Emp
12* ORDER BY Deptno, Sal DESC, Ename
SQL> /
```

ENAME	DEPTNO	SAL	FIRST_VALU
KING	10	5000	KING
CLARK	10	2450	KING
MILLER	10	1300	KING
FORD	20	3000	FORD
SCOTT	20	3000	FORD
JONES	20	2975	FORD
ADAMS	20	1100	FORD
SMITH	20	800	FORD
BLAKE	30	2850	BLAKE
ALLEN	30	1600	BLAKE
TURNER	30	1500	BLAKE
MARTIN	30	1250	BLAKE
WARD	30	1250	BLAKE
JAMES	30	950	BLAKE

14 rows selected.

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

```
1 SELECT
2 Ename,
3 Deptno,
4 Sal,
5 FIRST_VALUE(Ename)
6 OVER
7 (
8 PARTITION BY DeptNo
9 ORDER BY Sal DESC
10 ) FIRST_VALUE
11 FROM Emp
12* ORDER BY Deptno
SQL> /
```

ENAME	DEPTNO	SAL	FIRST_VALU
KING	10	5000	KING
CLARK	10	2450	KING
MILLER	10	1300	KING
FORD	20	3000	FORD
SCOTT	20	3000	FORD

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```
.....
JONES          20          2975 FORD
ADAMS          20          1100 FORD
SMITH          20           800 FORD
BLAKE          30          2850 BLAKE
ALLEN          30          1600 BLAKE
TURNER         30          1500 BLAKE
MARTIN         30          1250 BLAKE
WARD           30          1250 BLAKE
JAMES          30           950 BLAKE
```

14 rows selected.

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

```
1  SELECT
2  Ename,
3  Deptno,
4  Sal,
5  FIRST_VALUE(Ename)
6  OVER
7  (
8  PARTITION BY DeptNo
9  ORDER BY Sal DESC
10 ) FIRST_VALUE
11 FROM Emp
12* ORDER BY Deptno, Sal
SQL> /
```

ENAME	DEPTNO	SAL	FIRST_VALU
MILLER	10	1300	KING
CLARK	10	2450	KING
KING	10	5000	KING
SMITH	20	800	FORD
ADAMS	20	1100	FORD
JONES	20	2975	FORD
FORD	20	3000	FORD
SCOTT	20	3000	FORD
JAMES	30	950	BLAKE
WARD	30	1250	BLAKE
MARTIN	30	1250	BLAKE
TURNER	30	1500	BLAKE
ALLEN	30	1600	BLAKE
BLAKE	30	2850	BLAKE

14 rows selected.

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  3  Deptno,
  4  Sal,
  5  FIRST_VALUE(Ename)
  6  OVER
  7  (
  8    PARTITION BY DeptNo
  9    ORDER BY Sal DESC
 10  ) FIRST_VALUE
 11  FROM Emp
 12  ORDER BY Deptno, Sal DESC, Ename DESC;
```

ENAME	DEPTNO	SAL	FIRST_VALU
KING	10	5000	KING
CLARK	10	2450	KING
MILLER	10	1300	KING
SCOTT	20	3000	SCOTT
FORD	20	3000	SCOTT
JONES	20	2975	SCOTT
ADAMS	20	1100	SCOTT
SMITH	20	800	SCOTT
BLAKE	30	2850	BLAKE
ALLEN	30	1600	BLAKE
TURNER	30	1500	BLAKE
WARD	30	1250	BLAKE
MARTIN	30	1250	BLAKE
JAMES	30	950	BLAKE

14 rows selected.

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1  SELECT
2  Ename,
3  Deptno,
4  Sal,
5  FIRST_VALUE(Ename)
6  OVER
7  (
8    PARTITION BY DeptNo
9    ORDER BY Sal DESC
```

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```
10 ) FIRST_VALUE,
11 LAST_VALUE( Ename )
12 OVER
13 (
14 PARTITION BY DeptNo
15 ORDER BY Sal DESC
16 ) LAST_VALUE
17 FROM Emp
18* ORDER BY Deptno, Sal DESC, Ename DESC
SQL> /
```

ENAME	DEPTNO	SAL	FIRST_VALU	LAST_VALUE
KING	10	5000	KING	KING
CLARK	10	2450	KING	CLARK
MILLER	10	1300	KING	MILLER
SCOTT	20	3000	SCOTT	FORD
FORD	20	3000	SCOTT	FORD
JONES	20	2975	SCOTT	JONES
ADAMS	20	1100	SCOTT	ADAMS
SMITH	20	800	SCOTT	SMITH
BLAKE	30	2850	BLAKE	BLAKE
ALLEN	30	1600	BLAKE	ALLEN
TURNER	30	1500	BLAKE	TURNER
WARD	30	1250	BLAKE	MARTIN
MARTIN	30	1250	BLAKE	MARTIN
JAMES	30	950	BLAKE	JAMES

14 rows selected.

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

```
1 SELECT
2 Ename,
3 Deptno,
4 Sal,
5 FIRST_VALUE( Ename )
6 OVER
7 (
8 PARTITION BY DeptNo
9 ORDER BY Deptno
10 ) FIRST_VALUE,
11 LAST_VALUE( Ename )
12 OVER
13 (
14 PARTITION BY DeptNo
```

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```
15 ORDER BY Deptno
16 ) LAST_VALUE
17 FROM Emp
18* ORDER BY Deptno
SQL> /
```

ENAME	DEPTNO	SAL	FIRST_VALU	LAST_VALUE
CLARK	10	2450	CLARK	MILLER
KING	10	5000	CLARK	MILLER
MILLER	10	1300	CLARK	MILLER
ADAMS	20	1100	ADAMS	SMITH
FORD	20	3000	ADAMS	SMITH
JONES	20	2975	ADAMS	SMITH
SCOTT	20	3000	ADAMS	SMITH
SMITH	20	800	ADAMS	SMITH
ALLEN	30	1600	ALLEN	WARD
BLAKE	30	2850	ALLEN	WARD
JAMES	30	950	ALLEN	WARD
MARTIN	30	1250	ALLEN	WARD
TURNER	30	1500	ALLEN	WARD
WARD	30	1250	ALLEN	WARD

14 rows selected.

```
SQL> SELECT
  2 Ename,
  3 Deptno,
  4 Sal,
  5 FIRST_VALUE(Ename)
  6 OVER
  7 (
  8 ORDER BY Sal DESC
  9 ROWS BETWEEN
10 UNBOUNDED PRECEDING AND
11 UNBOUNDED FOLLOWING
12 ) FIRST_VALUE
13 FROM Emp
14 ORDER BY Sal DESC;
```

ENAME	DEPTNO	SAL	FIRST_VALU
KING	10	5000	KING
SCOTT	20	3000	KING
FORD	20	3000	KING
JONES	20	2975	KING
BLAKE	30	2850	KING

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```
CLARK          10          2450 KING
ALLEN          30          1600 KING
TURNER         30          1500 KING
MILLER         10          1300 KING
WARD           30          1250 KING
MARTIN         30          1250 KING
ADAMS          20          1100 KING
JAMES          30           950 KING
SMITH          20           800 KING
```

14 rows selected.

```
SQL> SELECT
  2  Ename,
  3  Deptno,
  4  Sal,
  5  LAST_VALUE(Ename)
  6  OVER
  7  (
  8  ORDER BY Sal DESC
  9  ROWS BETWEEN
 10  UNBOUNDED PRECEDING AND
 11  UNBOUNDED FOLLOWING
 12  ) LAST_VALUE
 13  FROM Emp
 14  ORDER BY Sal DESC;
```

ENAME	DEPTNO	SAL	LAST_VALUE
KING	10	5000	SMITH
SCOTT	20	3000	SMITH
FORD	20	3000	SMITH
JONES	20	2975	SMITH
BLAKE	30	2850	SMITH
CLARK	10	2450	SMITH
ALLEN	30	1600	SMITH
TURNER	30	1500	SMITH
MILLER	10	1300	SMITH
WARD	30	1250	SMITH
MARTIN	30	1250	SMITH
ADAMS	20	1100	SMITH
JAMES	30	950	SMITH
SMITH	20	800	SMITH

14 rows selected.

```
SQL> ED
```

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```
1  SELECT
2  Ename,
3  Deptno,
4  Sal,
5  FIRST_VALUE(HireDate)
6  OVER
7  (
8  ORDER BY HireDate DESC
9  ROWS BETWEEN
10 UNBOUNDED PRECEDING AND
11 UNBOUNDED FOLLOWING
12 ) First_HD,
13 LAST_VALUE(HireDate)
14 OVER
15 (
16 ORDER BY HireDate DESC
17 ROWS BETWEEN
18 UNBOUNDED PRECEDING AND
19 UNBOUNDED FOLLOWING
20 ) Last_HD
21 FROM Emp
22* ORDER BY Sal DESC
SQL> /
```

ENAME	DEPTNO	SAL	FIRST_HD	LAST_HD
KING	10	5000	12-JAN-83	17-DEC-80
SCOTT	20	3000	12-JAN-83	17-DEC-80
FORD	20	3000	12-JAN-83	17-DEC-80
JONES	20	2975	12-JAN-83	17-DEC-80
BLAKE	30	2850	12-JAN-83	17-DEC-80
CLARK	10	2450	12-JAN-83	17-DEC-80
ALLEN	30	1600	12-JAN-83	17-DEC-80
TURNER	30	1500	12-JAN-83	17-DEC-80
MILLER	10	1300	12-JAN-83	17-DEC-80
MARTIN	30	1250	12-JAN-83	17-DEC-80
WARD	30	1250	12-JAN-83	17-DEC-80
ADAMS	20	1100	12-JAN-83	17-DEC-80
JAMES	30	950	12-JAN-83	17-DEC-80
SMITH	20	800	12-JAN-83	17-DEC-80

14 rows selected.

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

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```
1  SELECT
2  Ename,
3  Deptno,
4  HireDate,
5  FIRST_VALUE(HireDate)
6  OVER
7  (
8  ORDER BY HireDate DESC
9  ROWS BETWEEN
10 UNBOUNDED PRECEDING AND
11 UNBOUNDED FOLLOWING
12 ) First_HD,
13 LAST_VALUE(HireDate)
14 OVER
15 (
16 ORDER BY HireDate DESC
17 ROWS BETWEEN
18 UNBOUNDED PRECEDING AND
19 UNBOUNDED FOLLOWING
20 ) Last_HD
21 FROM Emp
22* ORDER BY Sal DESC
SQL> /
```

ENAME	DEPTNO	HIREDATE	FIRST_HD	LAST_HD
KING	10	17-NOV-81	12-JAN-83	17-DEC-80
SCOTT	20	09-DEC-82	12-JAN-83	17-DEC-80
FORD	20	03-DEC-81	12-JAN-83	17-DEC-80
JONES	20	02-APR-81	12-JAN-83	17-DEC-80
BLAKE	30	01-MAY-81	12-JAN-83	17-DEC-80
CLARK	10	09-JUN-81	12-JAN-83	17-DEC-80
ALLEN	30	20-FEB-81	12-JAN-83	17-DEC-80
TURNER	30	08-SEP-81	12-JAN-83	17-DEC-80
MILLER	10	23-JAN-82	12-JAN-83	17-DEC-80
MARTIN	30	28-SEP-81	12-JAN-83	17-DEC-80
WARD	30	22-FEB-81	12-JAN-83	17-DEC-80
ADAMS	20	12-JAN-83	12-JAN-83	17-DEC-80
JAMES	30	03-DEC-81	12-JAN-83	17-DEC-80
SMITH	20	17-DEC-80	12-JAN-83	17-DEC-80

14 rows selected.

```
SQL> ED
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```

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```
1  SELECT
2  Ename,
3  Deptno,
4  HireDate,
5  FIRST_VALUE(HireDate)
6  OVER
7  (
8  ORDER BY HireDate DESC
9  ROWS BETWEEN
10 UNBOUNDED PRECEDING AND
11 UNBOUNDED FOLLOWING
12 ) First_HD,
13 LAST_VALUE(HireDate)
14 OVER
15 (
16 ORDER BY HireDate DESC
17 ROWS BETWEEN
18 UNBOUNDED PRECEDING AND
19 UNBOUNDED FOLLOWING
20 ) Last_HD
21 FROM Emp
22* ORDER BY HireDate DESC
SQL> /
```

ENAME	DEPTNO	HIREDATE	FIRST_HD	LAST_HD
ADAMS	20	12-JAN-83	12-JAN-83	17-DEC-80
SCOTT	20	09-DEC-82	12-JAN-83	17-DEC-80
MILLER	10	23-JAN-82	12-JAN-83	17-DEC-80
FORD	20	03-DEC-81	12-JAN-83	17-DEC-80
JAMES	30	03-DEC-81	12-JAN-83	17-DEC-80
KING	10	17-NOV-81	12-JAN-83	17-DEC-80
MARTIN	30	28-SEP-81	12-JAN-83	17-DEC-80
TURNER	30	08-SEP-81	12-JAN-83	17-DEC-80
CLARK	10	09-JUN-81	12-JAN-83	17-DEC-80
BLAKE	30	01-MAY-81	12-JAN-83	17-DEC-80
JONES	20	02-APR-81	12-JAN-83	17-DEC-80
WARD	30	22-FEB-81	12-JAN-83	17-DEC-80
ALLEN	30	20-FEB-81	12-JAN-83	17-DEC-80
SMITH	20	17-DEC-80	12-JAN-83	17-DEC-80

14 rows selected.

SQL> cl scr

SQL> ED

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```
1  SELECT
2  Ename,
3  Deptno,
4  HireDate,
5  SUM(Sal)
6  OVER
7  (
8  ORDER BY Sal DESC, Empno
9  ROWS BETWEEN
10 UNBOUNDED PRECEDING AND
11 UNBOUNDED FOLLOWING
12 )
13 FROM Emp
14* ORDER BY Sal DESC
SQL> /
```

```
ENAME          DEPTNO HIREDATE
SUM(SAL)OVER(ORDERBYSALDESC,EMPNOROWSBETWEENUNBOUNDEDPRECEDINGANDUNBOUNDE
DFOLLOWING)
```

KING	10	17-NOV-81
29025		
SCOTT	20	09-DEC-82
29025		
FORD	20	03-DEC-81
29025		
JONES	20	02-APR-81
29025		
BLAKE	30	01-MAY-81
29025		
CLARK	10	09-JUN-81
29025		
ALLEN	30	20-FEB-81
29025		
TURNER	30	08-SEP-81
29025		
MILLER	10	23-JAN-82
29025		
WARD	30	22-FEB-81
29025		
MARTIN	30	28-SEP-81
29025		
ADAMS	20	12-JAN-83
29025		

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```
JAMES          30 03-DEC-81
29025
SMITH          20 17-DEC-80
29025
```

14 rows selected.

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

```
1  SELECT
2  Ename,
3  Deptno,
4  HireDate,
5  SUM(Sal)
6  OVER
7  (
8  ORDER BY Sal DESC, Empno
9  ROWS BETWEEN
10 UNBOUNDED PRECEDING AND
11 UNBOUNDED FOLLOWING
12 ) RunSal
13 FROM Emp
14* ORDER BY Sal DESC
SQL> /
```

ENAME	DEPTNO	HIREDATE	RUNSAL
KING	10	17-NOV-81	29025
SCOTT	20	09-DEC-82	29025
FORD	20	03-DEC-81	29025
JONES	20	02-APR-81	29025
BLAKE	30	01-MAY-81	29025
CLARK	10	09-JUN-81	29025
ALLEN	30	20-FEB-81	29025
TURNER	30	08-SEP-81	29025
MILLER	10	23-JAN-82	29025
WARD	30	22-FEB-81	29025
MARTIN	30	28-SEP-81	29025
ADAMS	20	12-JAN-83	29025
JAMES	30	03-DEC-81	29025
SMITH	20	17-DEC-80	29025

14 rows selected.

```
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```
1  SELECT
2  Ename,
3  Deptno,
4  Sal,
5  SUM(Sal)
6  OVER
7  (
8  ORDER BY Sal DESC, Empno
9  ROWS BETWEEN
10 UNBOUNDED PRECEDING AND
11 UNBOUNDED FOLLOWING
12 ) RunSal
13 FROM Emp
14* ORDER BY Sal DESC
SQL> /
```

ENAME	DEPTNO	SAL	RUNSAL
KING	10	5000	29025
SCOTT	20	3000	29025
FORD	20	3000	29025
JONES	20	2975	29025
BLAKE	30	2850	29025
CLARK	10	2450	29025
ALLEN	30	1600	29025
TURNER	30	1500	29025
MILLER	10	1300	29025
WARD	30	1250	29025
MARTIN	30	1250	29025
ADAMS	20	1100	29025
JAMES	30	950	29025
SMITH	20	800	29025

14 rows selected.

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

```
1  SELECT
2  Ename,
3  Deptno,
4  Sal,
5  SUM(Sal)
6  OVER
7  (
8  ORDER BY Sal DESC, Empno
```

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```
9  ROWS BETWEEN
10  1 PRECEDING AND
11  UNBOUNDED FOLLOWING
12  ) RunSal
13  FROM Emp
14* ORDER BY Sal DESC
SQL> /
```

ENAME	DEPTNO	SAL	RUNSAL
KING	10	5000	29025
SCOTT	20	3000	29025
FORD	20	3000	24025
JONES	20	2975	21025
BLAKE	30	2850	18025
CLARK	10	2450	15050
ALLEN	30	1600	12200
TURNER	30	1500	9750
MILLER	10	1300	8150
WARD	30	1250	6650
MARTIN	30	1250	5350
ADAMS	20	1100	4100
JAMES	30	950	2850
SMITH	20	800	1750

14 rows selected.

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

```
1  SELECT
2  Ename,
3  Deptno,
4  Sal,
5  SUM(Sal)
6  OVER
7  (
8  ORDER BY Sal DESC, Empno
9  ROWS BETWEEN
10  0 PRECEDING AND
11  UNBOUNDED FOLLOWING
12  ) RunSal
13  FROM Emp
14* ORDER BY Sal DESC
SQL> /
```

ENAME	DEPTNO	SAL	RUNSAL
-------	--------	-----	--------

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```
-----
KING          10          5000          29025
SCOTT         20          3000          24025
FORD          20          3000          21025
JONES         20          2975          18025
BLAKE         30          2850          15050
CLARK         10          2450          12200
ALLEN         30          1600           9750
TURNER        30          1500           8150
MILLER        10          1300           6650
WARD          30          1250           5350
MARTIN        30          1250           4100
ADAMS         20          1100           2850
JAMES         30           950           1750
SMITH         20           800            800
-----
```

14 rows selected.

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

```

 1  SELECT
 2  Ename,
 3  Deptno,
 4  Sal,
 5  SUM(Sal)
 6  OVER
 7  (
 8  ORDER BY Sal DESC, Empno
 9  ROWS BETWEEN
10  UNBOUNDED PRECEDING AND
11  0 FOLLOWING
12  ) RunSal
13  FROM Emp
14* ORDER BY Sal DESC
SQL> /
```

```
-----
ENAME          DEPTNO          SAL          RUNSAL
-----
KING           10          5000          5000
SCOTT          20          3000          8000
FORD           20          3000         11000
JONES          20          2975         13975
BLAKE          30          2850         16825
CLARK          10          2450         19275
ALLEN          30          1600         20875
TURNER         30          1500         22375
-----
```

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```
.....
```

MILLER	10	1300	23675
WARD	30	1250	24925
MARTIN	30	1250	26175
ADAMS	20	1100	27275
JAMES	30	950	28225
SMITH	20	800	29025

14 rows selected.

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

```
1  SELECT
2  Ename,
3  Deptno,
4  Sal,
5  SUM(Sal)
6  OVER
7  (
8  ORDER BY Sal DESC, Empno
9  ROWS BETWEEN
10 2 PRECEDING AND
11 0 FOLLOWING
12 ) RunSal
13 FROM Emp
14* ORDER BY Sal DESC
SQL> /
```

ENAME	DEPTNO	SAL	RUNSAL
KING	10	5000	5000
SCOTT	20	3000	8000
FORD	20	3000	11000
JONES	20	2975	8975
BLAKE	30	2850	8825
CLARK	10	2450	8275
ALLEN	30	1600	6900
TURNER	30	1500	5550
MILLER	10	1300	4400
WARD	30	1250	4050
MARTIN	30	1250	3800
ADAMS	20	1100	3600
JAMES	30	950	3300
SMITH	20	800	2850

14 rows selected.

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

```

 1  SELECT
 2  Ename,
 3  Deptno,
 4  Sal,
 5  SUM(Sal)
 6  OVER
 7  (
 8  ORDER BY Sal DESC, Empno
 9  ROWS BETWEEN
10  1 PRECEDING AND
11  1 FOLLOWING
12  ) RunSal
13  FROM Emp
14* ORDER BY Sal DESC
SQL> /
```

ENAME	DEPTNO	SAL	RUNSAL
KING	10	5000	8000
SCOTT	20	3000	11000
FORD	20	3000	8975
JONES	20	2975	8825
BLAKE	30	2850	8275
CLARK	10	2450	6900
ALLEN	30	1600	5550
TURNER	30	1500	4400
MILLER	10	1300	4050
WARD	30	1250	3800
MARTIN	30	1250	3600
ADAMS	20	1100	3300
JAMES	30	950	2850
SMITH	20	800	1750

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT
 2  Empno,
 3  Deptno,
 4  HireDate,
 5  FIRST_VALUE(HireDate)
 6  OVER (
 7  PARTITION BY Deptno
```

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```
8      ORDER BY HireDate
9      ) FirstDate,
10     HireDate - FIRST_VALUE(HireDate)
11     OVER (
12         PARTITION BY Deptno
13         ORDER BY HireDate
14         ) NDays
15 FROM Emp
16 ORDER BY Deptno, NDays;
```

EMPNO	DEPTNO	HIREDATE	FIRSTDATE	NDAYS
7782	10	09-JUN-81	09-JUN-81	0
7839	10	17-NOV-81	09-JUN-81	161
7934	10	23-JAN-82	09-JUN-81	228
7369	20	17-DEC-80	17-DEC-80	0
7566	20	02-APR-81	17-DEC-80	106
7902	20	03-DEC-81	17-DEC-80	351
7788	20	09-DEC-82	17-DEC-80	722
7876	20	12-JAN-83	17-DEC-80	756
7499	30	20-FEB-81	20-FEB-81	0
7521	30	22-FEB-81	20-FEB-81	2
7698	30	01-MAY-81	20-FEB-81	70
7844	30	08-SEP-81	20-FEB-81	200
7654	30	28-SEP-81	20-FEB-81	220
7900	30	03-DEC-81	20-FEB-81	286

14 rows selected.

SQL> cl scr

```
SQL> SELECT
2  ROW_NUMBER( )
3  OVER
4  (
5  ORDER BY Sal DESC
6  NULLS LAST
7  ) RowNo,
8  Ename,
9  Deptno
10 FROM Emp;
```

ROWNO	ENAME	DEPTNO
1	KING	10
2	SCOTT	20
3	FORD	20

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4	JONES	20
5	BLAKE	30
6	CLARK	10
7	ALLEN	30
8	TURNER	30
9	MILLER	10
10	WARD	30
11	MARTIN	30
12	ADAMS	20
13	JAMES	30
14	SMITH	20

14 rows selected.

SQL> cl scr

```
SQL> SELECT
  2  Deptno,
  3  Ename,
  4  ROW_NUMBER( )
  5  OVER
  6  (
  7    PARTITION BY Deptno
  8    ORDER BY Sal DESC NULLS LAST
  9  ) SeqNo
10 FROM Emp
11 /
```

DEPTNO	ENAME	SEQNO
10	KING	1
10	CLARK	2
10	MILLER	3
20	SCOTT	1
20	FORD	2
20	JONES	3
20	ADAMS	4
20	SMITH	5
30	BLAKE	1
30	ALLEN	2
30	TURNER	3
30	MARTIN	4
30	WARD	5
30	JAMES	6

14 rows selected.

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```
SQL> SELECT E1.*
2 FROM
3 (
4 SELECT
5 Deptno,
6 Ename,
7 ROW_NUMBER()
8 OVER
9 (
10 PARTITION BY Deptno
11 ORDER BY Sal DESC NULLS LAST
12 ) SeqNo
13 FROM Emp
14 )
15 WHERE SeqNo <= 3
16 /
SELECT E1.*
*
```

ERROR at line 1:
ORA-00904: "E1": invalid identifier

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

```
1 SELECT E1.*
2 FROM
3 (
4 SELECT
5 Deptno,
6 Ename,
7 ROW_NUMBER()
8 OVER
9 (
10 PARTITION BY Deptno
11 ORDER BY Sal DESC NULLS LAST
12 ) SeqNo
13 FROM Emp
14 ) E1
15* WHERE SeqNo <= 3
SQL> /
```

DEPTNO	ENAME	SEQNO
10	KING	1
10	CLARK	2
10	MILLER	3

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```
20 FORD 1
20 SCOTT 2
20 JONES 3
30 BLAKE 1
30 ALLEN 2
30 TURNER 3
```

9 rows selected.

```
SQL> SELECT
  2 Deptno,
  3 MAX(DECODE(Seqno, 1, Ename, NULL)) First,
  4 MAX(DECODE(Seqno, 2, Ename, NULL)) Second,
  5 MAX(DECODE(Seqno, 3, Ename, NULL)) Third
  6 FROM
  7 (
  8   SELECT
  9   Deptno,
 10   Ename,
 11   ROW_NUMBER( )
 12   OVER
 13   (
 14     PARTITION BY Deptno
 15     ORDER BY Sal DESC NULLS LAST
 16   ) SeqNo
 17 FROM Emp
 18 )
 19 WHERE SeqNo <= 3
 20 GROUP BY Deptno;
```

DEPTNO	FIRST	SECOND	THIRD
10	KING	CLARK	MILLER
20	FORD	SCOTT	JONES
30	BLAKE	ALLEN	TURNER

```
SQL> SELECT Deptno,
  2 MAX(DECODE(Seqno, 1, Ename, NULL)) First,
  3 MAX(DECODE(Seqno, 2, Ename, NULL)) Second,
  4 MAX(DECODE(Seqno, 3, Ename, NULL)) Third
  5 FROM
  6 (
  7   SELECT
  8   Deptno,
  9   Ename,
 10   ROW_NUMBER( )
 11   OVER
```

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```
12      (  
13      PARTITION BY Deptno  
14      ORDER BY HireDate NULLS LAST  
15      ) SeqNo  
16 FROM   Emp  
17 )  
18 WHERE SeqNo <= 3  
19 GROUP BY Deptno;
```

DEPTNO	FIRST	SECOND	THIRD
10	CLARK	KING	MILLER
20	SMITH	JONES	FORD
30	ALLEN	WARD	BLAKE

SQL> SPOOL OFF

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<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 : 91 40 2371 0047, 64640047, 9985798869	

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