

SQL> cl scr

SQL> COLUMN Departments FORMAT A15

SQL> COLUMN SUM(Sal) FORMAT 99999

SQL> SELECT

2 DECODE

3 (

4 GROUPING(Deptno),

5 1, 'All Departments',

6 Deptno

7 ) Departments,

8 SUM(Sal)

9 FROM Emp

10 GROUP BY ROLLUP(Deptno);

DEPARTMENTS	SUM(SAL)
10	8750
20	10875
30	9400
All Departments	29025

SQL> ED

Wrote file afiedt.buf

1 SELECT

2 DECODE

3 (

4 GROUPING(Deptno),

5 1, 'All Departments',

6 'Department '||Deptno||' Investment'

7 ) Departments,

8 SUM(Sal)

9 FROM Emp

10\* GROUP BY ROLLUP(Deptno)

SQL> COLUMN Departments FORMAT A28

SQL> R

1 SELECT

2 DECODE

3 (

4 GROUPING(Deptno),

5 1, 'All Departments',

6 'Department '||Deptno||' Investment'

7 ) Departments,

8 SUM(Sal)

9 FROM Emp

10\* GROUP BY ROLLUP(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/>

DEPARTMENTS	SUM(SAL)
-----	-----
Department 10 Investment	8750
Department 20 Investment	10875
Department 30 Investment	9400
All Departments	29025

SQL> cl scr

SQL> COL Designations FOR A37

```
SQL> SELECT
  2  DECODE
  3  (
  4  GROUPING(Job),
  5  1, 'All Designation Investments ',
  6  'Designation '||Job||''''s Investment '
  7  ) Designations,
  8  SUM(Sal)
  9  FROM Emp
 10  GROUP BY ROLLUP(Job);
```

DESIGNATIONS	SUM(SAL)
-----	-----
Designation ANALYST's Investment	6000
Designation CLERK's Investment	4150
Designation MANAGER's Investment	8275
Designation PRESIDENT's Investment	5000
Designation SALESMAN's Investment	5600
All Designation Investments	29025

6 rows selected.

SQL> cl scr

SQL> COL Designations FOR A15

```
SQL> SELECT
  2  DECODE
  3  (
  4  GROUPING(Deptno),
  5  1, 'All Departments',
  6  Deptno
  7  ) Departments,
  8  DECODE
  9  (
 10  GROUPING(Job),
 11  1, 'All Designations',
```

---

### 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 Job
13 ) Designations,
14 SUM(Sal) SalSum
15 FROM Emp
16 GROUP BY ROLLUP(Deptno, Job);
```

DEPARTMENTS	DESIGNATIONS	SALSUM
10	CLERK	1300
10	MANAGER	2450
10	PRESIDENT	5000
10	All Designation s	8750
20	CLERK	1900
20	ANALYST	6000
20	MANAGER	2975
20	All Designation s	10875
30	CLERK	950
30	MANAGER	2850
30	SALESMAN	5600
30	All Designation s	9400
DEPARTMENTS	DESIGNATIONS	SALSUM
All Departments	All Designation s	29025

13 rows selected.

```
SQL> COL Designations FOR A20
SQL> R
1 SELECT
2 DECODE
3 (
4 GROUPING(Deptno),
5 1, 'All Departments',
6 Deptno
7 ) Departments,
8 DECODE
9 (
10 GROUPING(Job),
```

**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

```

11 1, 'All Designations',
12 Job
13 ) Designations,
14 SUM(Sal) SalSum
15 FROM Emp
16* GROUP BY ROLLUP(Deptno, Job)

```

DEPARTMENTS	DESIGNATIONS	SALSUM
10	CLERK	1300
10	MANAGER	2450
10	PRESIDENT	5000
10	All Designations	8750
20	CLERK	1900
20	ANALYST	6000
20	MANAGER	2975
20	All Designations	10875
30	CLERK	950
30	MANAGER	2850
30	SALESMAN	5600
30	All Designations	9400
All Departments	All Designations	29025

13 rows selected.

SQL> cl scr

```

SQL> SELECT
2  DECODE
3  (
4  GROUPING(Deptno),
5  1 , 'All Departments',
6  Deptno
7  ) Departments,
8  DECODE
9  (
10 GROUPING(Job),
11 1, 'All Designations',
12 Job
13 ) Designations,
14 SUM(Sal)
15 FROM Emp
16 GROUP BY CUBE(Deptno, Job)
17 ORDER BY Deptno;

```

DEPARTMENTS	DESIGNATIONS	SUM(SAL)
-------------	--------------	----------

### 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

```

10          CLERK          1300
10          MANAGER        2450
10          PRESIDENT      5000
10          All Designations 8750
20          ANALYST        6000
20          CLERK          1900
20          MANAGER        2975
20          All Designations 10875
30          CLERK          950
30          MANAGER        2850
30          SALESMAN       5600
30          All Designations 9400
All Departments ANALYST    6000
All Departments CLERK      4150
All Departments MANAGER    8275
All Departments PRESIDENT  5000
All Departments SALESMAN   5600

```

```

DEPARTMENTS      DESIGNATIONS      SUM(SAL)
-----
All Departments  All Designations      29025

```

18 rows selected.

SQL> cl scr

```

SQL> SELECT Deptno, SUM(Sal) SalSum
2   FROM Emp
3   GROUP BY Deptno;

```

```

      DEPTNO      SALSUM
-----
          30         9400
          20        10875
          10         8750

```

SQL> ED  
Wrote file afiedt.buf

```

1  SELECT Job, SUM(Sal) SalSum
2  FROM Emp
3* GROUP BY Job
SQL> /

```

```

JOB          SALSUM
-----
SALESMAN      5600

```

## 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

```
CLERK          4150
PRESIDENT      5000
MANAGER        8275
ANALYST        6000
```

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

```
1  SELECT Deptno, NULL Job, SUM(Sal) SalSum
2  FROM Emp
3  GROUP BY Deptno
4  UNION
5  SELECT NULL, Job, SUM(Sal) SalSum
6  FROM Emp
7* GROUP BY Job
```

```
SQL> SET AUTOTRACE ON EXPLAIN
```

```
SQL> R
1  SELECT Deptno, NULL Job, SUM(Sal) SalSum
2  FROM Emp
3  GROUP BY Deptno
4  UNION
5  SELECT NULL, Job, SUM(Sal) SalSum
6  FROM Emp
7* GROUP BY Job
```

DEPTNO	JOB	SALSUM
10		8750
20		10875
30		9400
	ANALYST	6000
	CLERK	4150
	MANAGER	8275
	PRESIDENT	5000
	SALESMAN	5600

8 rows selected.

Execution Plan

Plan hash value: 961949858

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

### 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

```

-----
| 0 | SELECT STATEMENT | | 28 | 630 | 10 (70) |
00:00:01 |
| 1 | SORT UNIQUE | | 28 | 630 | 10 (70) |
00:00:01 |
| 2 | UNION-ALL | | | | |
|
| 3 | HASH GROUP BY | | 14 | 364 | 5 (40) |
00:00:01 |
| 4 | TABLE ACCESS FULL| EMP | 14 | 364 | 3 (0) |
00:00:01 |
| 5 | HASH GROUP BY | | 14 | 266 | 5 (40) |
00:00:01 |
| 6 | TABLE ACCESS FULL| EMP | 14 | 266 | 3 (0) |
00:00:01 |
-----

```

Note

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

SQL> ED

Wrote file afiedt.buf

```

1  SELECT Deptno, Job, SUM(Sal) SalSum
2  FROM Emp
3* GROUP BY GROUPING SETS(Deptno, Job)
SQL> /

```

DEPTNO	JOB	SALSUM
30		9400
20		10875
10		8750
	SALESMAN	5600
	CLERK	4150
	PRESIDENT	5000
	MANAGER	8275
	ANALYST	6000

8 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: 4033679023

Id	Operation	Name	Rows
0	SELECT STATEMENT		14
1	TEMP TABLE TRANSFORMATION		
2	LOAD AS SELECT	SYS_TEMP_0FD9D6602_34E3BB	
3	TABLE ACCESS FULL	EMP	14
4	LOAD AS SELECT	SYS_TEMP_0FD9D6603_34E3BB	
5	HASH GROUP BY		1
6	TABLE ACCESS FULL	SYS_TEMP_0FD9D6602_34E3BB	1
7	LOAD AS SELECT	SYS_TEMP_0FD9D6603_34E3BB	
8	HASH GROUP BY		1
9	TABLE ACCESS FULL	SYS_TEMP_0FD9D6602_34E3BB	1
10	VIEW		1
11	TABLE ACCESS FULL	SYS_TEMP_0FD9D6603_34E3BB	1

Note

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

SQL> cl scr

SQL> COL Deptno FOR 99

SQL> COL MGR FOR 9999

SQL> COL Year FOR A4

SQL> COL Week FOR A4

SQL> COL Quarter FOR A7

SQL> COL Months FOR A10

**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> COL Day FOR A10
SQL> COL SUM(Sal) FOR 999999
SQL> SELECT
  2  Deptno,
  3  Job,
  4  MGR,
  5  TO_CHAR(HireDate, 'YYYY') Year,
  6  TO_CHAR(HireDate, 'Q') Quarter,
  7  TO_CHAR(HireDate, 'Month') Months,
  8  TO_CHAR(HireDate, 'W') Week,
  9  TO_CHAR(HireDate, 'Day') Day,
10  SUM(Sal)
11  FROM Emp
12  GROUP BY
13  GROUPING SETS
14  (
15  Deptno,
16  Job,
17  MGR,
18  TO_CHAR(HireDate, 'YYYY'),
19  TO_CHAR(HireDate, 'Q'),
20  TO_CHAR(HireDate, 'Month'),
21  TO_CHAR(HireDate, 'W'),
22  TO_CHAR(HireDate, 'Day')
23  );

```

DEPTNO	JOB	MGR	YEAR	QUARTER	MONTHS	WEEK	DAY	SUM(SAL)
30								9400
20								10875
10								8750
	SALESMAN							5600
	CLERK							4150
	PRESIDENT							5000
	MANAGER							8275
	ANALYST							6000
		7839						5000
		7782						8275
		7698						1300
		7902						6550
		7566						800
		7788						6000
			1980					1100
			1983					800
								1100

DEPTNO	JOB	MGR	YEAR	QUARTER	MONTHS	WEEK	DAY	SUM(SAL)
--------	-----	-----	------	---------	--------	------	-----	----------

## **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

1982	4300
1981	22825
1	5250
3	2750
4	12750
2	8275
September	2750
December	7750
January	2400
June	2450
November	5000
April	2975
February	2850
May	2850
1	9775
3	7400
2	8050

DEPTNO	JOB	MGR	YEAR	QUARTER	MONTHS	WEEK	DAY	SUM(SAL)
						4		3800
							Sunday	1250
							Friday	4450
							Thursday	9925
							Monday	1250
							Wednesday	1900
							Tuesday	8950
							Saturday	1300

42 rows selected.

Execution Plan

Plan hash value: 2243564975

Id	Operation	Name	Rows
Bytes	Cost (%CPU)	Time	
0	SELECT STATEMENT		14
1302	29 (28)	00:00:01	
1	TEMP TABLE TRANSFORMATION		

**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**

```

| 2 | LOAD AS SELECT | SYS_TEMP_0FD9D6606_34E3BB |
| 3 | TABLE ACCESS FULL | EMP | 14 |
756 | 3 (0) | 00:00:01 |
| 4 | LOAD AS SELECT | SYS_TEMP_0FD9D6607_34E3BB |
| 5 | HASH GROUP BY | 1 |
26 | 3 (34) | 00:00:01 |
| 6 | TABLE ACCESS FULL | SYS_TEMP_0FD9D6606_34E3BB | 1 |
26 | 2 (0) | 00:00:01 |
| 7 | LOAD AS SELECT | SYS_TEMP_0FD9D6607_34E3BB |
| 8 | HASH GROUP BY | 1 |
19 | 3 (34) | 00:00:01 |
| 9 | TABLE ACCESS FULL | SYS_TEMP_0FD9D6606_34E3BB | 1 |
19 | 2 (0) | 00:00:01 |
| 10 | LOAD AS SELECT | SYS_TEMP_0FD9D6607_34E3BB |
| 11 | HASH GROUP BY | 1 |
26 | 3 (34) | 00:00:01 |
| 12 | TABLE ACCESS FULL | SYS_TEMP_0FD9D6606_34E3BB | 1 |
26 | 2 (0) | 00:00:01 |
| 13 | LOAD AS SELECT | SYS_TEMP_0FD9D6607_34E3BB |
| 14 | HASH GROUP BY | 1 |
17 | 3 (34) | 00:00:01 |
| 15 | TABLE ACCESS FULL | SYS_TEMP_0FD9D6606_34E3BB | 1 |
17 | 2 (0) | 00:00:01 |
| 16 | LOAD AS SELECT | SYS_TEMP_0FD9D6607_34E3BB |
| 17 | HASH GROUP BY | 1 |
15 | 3 (34) | 00:00:01 |
| 18 | TABLE ACCESS FULL | SYS_TEMP_0FD9D6606_34E3BB | 1 |
15 | 2 (0) | 00:00:01 |
| 19 | LOAD AS SELECT | SYS_TEMP_0FD9D6607_34E3BB |
| 20 | HASH GROUP BY | 1 |
33 | 3 (34) | 00:00:01 |
| 21 | TABLE ACCESS FULL | SYS_TEMP_0FD9D6606_34E3BB | 1 |
33 | 2 (0) | 00:00:01 |
| 22 | LOAD AS SELECT | SYS_TEMP_0FD9D6607_34E3BB |
| 23 | HASH GROUP BY | 1 |
15 | 3 (34) | 00:00:01 |
| 24 | TABLE ACCESS FULL | SYS_TEMP_0FD9D6606_34E3BB | 1 |
15 | 2 (0) | 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

```
-----
| 25 |      LOAD AS SELECT          | SYS_TEMP_0FD9D6607_34E3BB |      | |
|    |      |                      |      |      |
| 26 |      HASH GROUP BY          |      |      | 1 |
33 |      3  (34) | 00:00:01 |
| 27 |      TABLE ACCESS FULL      | SYS_TEMP_0FD9D6606_34E3BB |      | 1 |
33 |      2  (0) | 00:00:01 |
| 28 |      VIEW                    |      |      | 1 |
93 |      2  (0) | 00:00:01 |
| 29 |      TABLE ACCESS FULL      | SYS_TEMP_0FD9D6607_34E3BB |      | 1 |
93 |      2  (0) | 00:00:01 |
-----
-----
```

Note

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

SQL> cl scr

SQL> SET AUTOTRACE OFF EXPLAIN

SQL> cl scr

SQL> SELECT

```
 2  Ename,
 3  Deptno,
 4  CASE Deptno
 5      WHEN 10 THEN 'ACCOUNTING'
 6      WHEN 20 THEN 'RESEARCH'
 7      WHEN 30 THEN 'SALES'
 8      WHEN 40 THEN 'OPERATIONS'
 9      ELSE 'NOT FOUND'
10  END Dname
11  FROM Emp;
```

ENAME	DEPTNO	DNAME
KING	10	ACCOUNTING
BLAKE	30	SALES
CLARK	10	ACCOUNTING
JONES	20	RESEARCH
MARTIN	30	SALES
ALLEN	30	SALES
TURNER	30	SALES
JAMES	30	SALES
WARD	30	SALES
FORD	20	RESEARCH
SMITH	20	RESEARCH

-----  
**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

---

```
SCOTT          20 RESEARCH
ADAMS          20 RESEARCH
MILLER         10 ACCOUNTING
```

14 rows selected.

```
SQL> SELECT
      2  Ename,
      3  Deptno,
      4  DECODE( Deptno
      5      , 10 , 'ACCOUNTING'
      6      , 20 , 'RESEARCH'
      7      , 30 , 'SALES'
      8      , 40 , 'OPERATIONS'
      9      , 'NOT FOUND'
     10 ) Dname
     11 FROM Emp;
```

ENAME	DEPTNO	DNAME
KING	10	ACCOUNTING
BLAKE	30	SALES
CLARK	10	ACCOUNTING
JONES	20	RESEARCH
MARTIN	30	SALES
ALLEN	30	SALES
TURNER	30	SALES
JAMES	30	SALES
WARD	30	SALES
FORD	20	RESEARCH
SMITH	20	RESEARCH
SCOTT	20	RESEARCH
ADAMS	20	RESEARCH
MILLER	10	ACCOUNTING

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT
      2  Ename,
      3  Deptno,
      4  CASE
      5      WHEN Deptno = 10 THEN 'ACCOUNTING'
      6      WHEN Deptno = 20 THEN 'RESEARCH'
      7      WHEN Deptno = 30 THEN 'SALES'
      8      WHEN Deptno = 40 THEN 'OPERATIONS'
```

---

**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

```
9 ELSE 'Not Specified'
10 END Dname
11 FROM Emp;
```

ENAME	DEPTNO	DNAME
KING	10	ACCOUNTING
BLAKE	30	SALES
CLARK	10	ACCOUNTING
JONES	20	RESEARCH
MARTIN	30	SALES
ALLEN	30	SALES
TURNER	30	SALES
JAMES	30	SALES
WARD	30	SALES
FORD	20	RESEARCH
SMITH	20	RESEARCH
SCOTT	20	RESEARCH
ADAMS	20	RESEARCH
MILLER	10	ACCOUNTING

14 rows selected.

SQL> cl scr

```
SQL> SELECT
2  Ename,
3  Sal,
4  CASE
5  WHEN Sal >= 800 AND Sal <= 2000 THEN 'LOWEST PAY'
6  WHEN Sal >= 2001 AND Sal <= 4000 THEN 'MODERATE PAY'
7  ELSE 'HIGH PAY'
8  END Remarks
9  FROM Emp;
```

ENAME	SAL	REMARKS
KING	5000	HIGH PAY
BLAKE	2850	MODERATE PAY
CLARK	2450	MODERATE PAY
JONES	2975	MODERATE PAY
MARTIN	1250	LOWEST PAY
ALLEN	1600	LOWEST PAY
TURNER	1500	LOWEST PAY
JAMES	950	LOWEST PAY
WARD	1250	LOWEST PAY
FORD	3000	MODERATE PAY

**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

```
SMITH          800 LOWEST PAY
SCOTT          3000 MODERATE PAY
ADAMS          1100 LOWEST PAY
MILLER         1300 LOWEST PAY
```

14 rows selected.

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

```
1  SELECT
2  Ename,
3  Sal,
4  CASE
5  WHEN Sal BETWEEN 800 AND 2000 THEN 'LOWEST PAY'
6  WHEN Sal BETWEEN 2001 AND 4000 THEN 'MODERATE PAY'
7  ELSE 'HIGH PAY'
8  END Remarks
9* FROM Emp
SQL> /
```

ENAME	SAL	REMARKS
KING	5000	HIGH PAY
BLAKE	2850	MODERATE PAY
CLARK	2450	MODERATE PAY
JONES	2975	MODERATE PAY
MARTIN	1250	LOWEST PAY
ALLEN	1600	LOWEST PAY
TURNER	1500	LOWEST PAY
JAMES	950	LOWEST PAY
WARD	1250	LOWEST PAY
FORD	3000	MODERATE PAY
SMITH	800	LOWEST PAY
SCOTT	3000	MODERATE PAY
ADAMS	1100	LOWEST PAY
MILLER	1300	LOWEST PAY

14 rows selected.

```
SQL> cl scr
```

```
SQL> CONN SYSTEM
Connected.
```

```
SQL> GRANT QUERY REWRITE
2 TO SCOTT;
```

---

**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

---

Grant succeeded.

```
SQL> GRANT
  2  CREATE MATERIALIZED VIEW
  3  TO SCOTT;
```

Grant succeeded.

```
SQL> GRANT ALTER SESSION TO SCOTT;
```

Grant succeeded.

```
SQL> CONN SCOTT/tiger
Connected.
SQL> cl scr
```

```
SQL> ALTER SESSION
  2  SET QUERY_REWRITE_ENABLED = TRUE;
```

Session altered.

```
SQL> cl scr
```

```
SQL> SET AUTOTRACE ON EXPLAIN
SQL> cl scr
```

```
SQL> SELECT Deptno , Job, SUM(Sal)
  2  FROM Emp
  3  GROUP BY Deptno, Job
  4  ORDER BY Deptno;
```

DEPTNO	JOB	SUM(SAL)
10	CLERK	1300
10	MANAGER	2450
10	PRESIDENT	5000
20	ANALYST	6000
20	CLERK	1900
20	MANAGER	2975
30	CLERK	950
30	MANAGER	2850
30	SALESMAN	5600

9 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: 15469362

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time
0	SELECT STATEMENT		14	448	4 (25)	00:00:01
1	SORT GROUP BY		14	448	4 (25)	00:00:01
2	TABLE ACCESS FULL	EMP	14	448	3 (0)	00:00:01

Note

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

SQL>

```
SQL> CREATE MATERIALIZED VIEW Emp_Sum
2  ENABLE QUERY REWRITE
3  AS
4  SELECT Deptno , Job, SUM(Sal)
5  FROM Emp
6  GROUP BY Deptno, Job
7  ORDER BY Deptno;
```

Materialized view created.

```
SQL> DESC Emp_Sum
Name                                         Null?
Type
```

```
DEPTNO                                         NOT
NULL NUMBER(2)
JOB
VARCHAR2 (9)
SUM(SAL)
NUMBER
```

```
SQL> SELECT * FROM Emp_Sum;
```

**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

```
DEPTNO JOB          SUM(SAL)
-----
  10 CLERK           1300
  10 MANAGER          2450
  10 PRESIDENT        5000
  20 ANALYST          6000
  20 CLERK            1900
  20 MANAGER          2975
  30 CLERK             950
  30 MANAGER          2850
  30 SALESMAN         5600
```

9 rows selected.

Execution Plan

Plan hash value: 2108572782

```
-----
| Id  | Operation                      | Name      | Rows  | Bytes | Cost (%CPU)|
Time  |
-----
|  0  | SELECT STATEMENT                |           |     9 |    288 |      3   (0)|
00:00:01 |
|  1  |  MAT_VIEW ACCESS FULL| EMP_SUM   |     9 |    288 |      3   (0)|
00:00:01 |
-----
```

Note

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

```
SQL> SELECT Deptno , Job, SUM(Sal)
2   FROM Emp
3   GROUP BY Deptno, Job
4   ORDER BY Deptno;
```

```
DEPTNO JOB          SUM(SAL)
-----
  10 CLERK           1300
  10 MANAGER          2450
  10 PRESIDENT        5000
  20 ANALYST          6000
```

**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

```
20 CLERK          1900
20 MANAGER        2975
30 CLERK           950
30 MANAGER        2850
30 SALESMAN       5600
```

9 rows selected.

Execution Plan

Plan hash value: 825659509

Id	Operation	Name	Rows	Bytes	Cost
(%CPU)	Time				
0	SELECT STATEMENT		9	288	4
(25)	00:00:01				
1	SORT ORDER BY		9	288	4
(25)	00:00:01				
2	MAT_VIEW REWRITE ACCESS FULL	EMP_SUM	9	288	3
(0)	00:00:01				

Note

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

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Deptno, SUM(Sal)
2  FROM Emp
3  GROUP BY Deptno
4* ORDER BY Deptno
SQL> /
```

DEPTNO SUM(SAL)

```
10      8750
20     10875
30     9400
```

**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

### Execution Plan

Plan hash value: 2214371112

Id	Operation	Name	Rows	Bytes	Cost
(%CPU)	Time				
0	SELECT STATEMENT		9	234	4
(25)	00:00:01				
1	SORT GROUP BY		9	234	4
(25)	00:00:01				
2	MAT_VIEW REWRITE ACCESS FULL	EMP_SUM	9	234	3
(0)	00:00:01				

### Note

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

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Job, SUM(Sal)
2  FROM Emp
3* GROUP BY Job
SQL> /
```

JOB	SUM(SAL)
CLERK	4150
SALESMAN	5600
PRESIDENT	5000
MANAGER	8275
ANALYST	6000

### Execution Plan

Plan hash value: 2751693713

## 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

Id	Operation	Name	Rows	Bytes	Cost
(%CPU)	Time				
0	SELECT STATEMENT		9	171	4
(25)	00:00:01				
1	HASH GROUP BY		9	171	4
(25)	00:00:01				
2	MAT_VIEW REWRITE ACCESS FULL	EMP_SUM	9	171	3
(0)	00:00:01				

Note

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

SQL> ED

Wrote file afiedt.buf

```

1  SELECT SUM(Sal)
2* FROM Emp
3  /

```

SUM(SAL)

29025

Execution Plan

Plan hash value: 4050022887

Id	Operation	Name	Rows	Bytes	Cost
(%CPU)	Time				
0	SELECT STATEMENT		1	13	3
(0)	00:00:01				
1	SORT AGGREGATE		1	13	
2	MAT_VIEW REWRITE ACCESS FULL	EMP_SUM	9	117	3
(0)	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

---

Note

-----

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

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Deptno, SUM(Sal)
2  FROM Emp
3  GROUP BY ROLLUP(Deptno)
4* ORDER BY Deptno
SQL> /
```

DEPTNO SUM(SAL)

-----  
10 8750  
20 10875  
30 9400  
 29025

Execution Plan

-----

Plan hash value: 2868327837

-----

Id	Operation	Name	Rows	Bytes	Cost
(%CPU)	Time				
0	SELECT STATEMENT		9	234	4
(25)	00:00:01				
1	SORT GROUP BY ROLLUP		9	234	4
(25)	00:00:01				
2	MAT_VIEW REWRITE ACCESS FULL	EMP_SUM	9	234	3
(0)	00:00:01				

-----

Note

-----

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

SQL> ED

Wrote file afiedt.buf

-----

**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  SELECT Job, SUM(Sal)
2  FROM Emp
3*  GROUP BY ROLLUP(Job)
SQL> /
```

JOB	SUM(SAL)
ANALYST	6000
CLERK	4150
MANAGER	8275
PRESIDENT	5000
SALESMAN	5600
	29025

6 rows selected.

### Execution Plan

Plan hash value: 2868327837

Id	Operation	Name	Rows	Bytes	Cost
0	SELECT STATEMENT		9	171	4
1	SORT GROUP BY ROLLUP		9	171	4
2	MAT_VIEW REWRITE ACCESS FULL	EMP_SUM	9	171	3

### Note

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

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

```
1  SELECT Deptno , Job, SUM(Sal)
2  FROM Emp
3*  GROUP BY ROLLUP(Deptno, Job)
```

## 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> /

DEPTNO	JOB	SUM(SAL)
10	CLERK	1300
10	MANAGER	2450
10	PRESIDENT	5000
10		8750
20	CLERK	1900
20	ANALYST	6000
20	MANAGER	2975
20		10875
30	CLERK	950
30	MANAGER	2850
30	SALESMAN	5600
30		9400
		29025

13 rows selected.

Execution Plan

Plan hash value: 2868327837

Id	Operation	Name	Rows	Bytes	Cost
(%CPU)	Time				
0	SELECT STATEMENT		9	288	4
(25)	00:00:01				
1	SORT GROUP BY ROLLUP		9	288	4
(25)	00:00:01				
2	MAT_VIEW REWRITE ACCESS FULL	EMP_SUM	9	288	3
(0)	00:00:01				

Note

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

SQL> ED

Wrote file afiedt.buf

**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  SELECT Deptno , Job, SUM(Sal)
2  FROM Emp
3* GROUP BY CUBE(Deptno, Job)
SQL> /
```

DEPTNO	JOB	SUM(SAL)
		29025
	CLERK	4150
	ANALYST	6000
	MANAGER	8275
	SALESMAN	5600
	PRESIDENT	5000
10		8750
10	CLERK	1300
10	MANAGER	2450
10	PRESIDENT	5000
20		10875
20	CLERK	1900
20	ANALYST	6000
20	MANAGER	2975
30		9400
30	CLERK	950
30	MANAGER	2850

DEPTNO	JOB	SUM(SAL)
30	SALESMAN	5600

18 rows selected.

### Execution Plan

Plan hash value: 1797585325

Id	Operation	Name	Rows	Bytes	Cost
(%CPU)	Time				
0	SELECT STATEMENT		9	288	4
(25)	00:00:01				
1	SORT GROUP BY		9	288	4
(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

```
-----
|  2 |   GENERATE CUBE                |          |  9 |   288 |  4
(25)| 00:00:01 |
|  3 |   SORT GROUP BY                |          |  9 |   288 |  4
(25)| 00:00:01 |
|  4 |   MAT_VIEW REWRITE ACCESS FULL| EMP_SUM |  9 |   288 |  3
(0)| 00:00:01 |
-----
```

Note

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

SQL> cl scr

```
SQL> COL Deptno FOR 99
SQL> COL MGR FOR 9999
SQL> COL Year FOR A4
SQL> COL Week FOR A4
SQL> COL Quarter FOR A7
SQL> COL Months FOR A10
SQL> COL Day FOR A10
SQL> COL SUM(Sal) FOR 999999
SQL> SELECT
  2  Deptno,
  3  Job,
  4  MGR,
  5  TO_CHAR(HireDate, 'YYYY') Year,
  6  TO_CHAR(HireDate, 'Q') Quarter,
  7  TO_CHAR(HireDate, 'Month') Months,
  8  TO_CHAR(HireDate, 'W') Week,
  9  TO_CHAR(HireDate, 'Day') Day,
 10  SUM(Sal)
 11  FROM Emp
 12  GROUP BY
 13  GROUPING SETS
 14  (
 15  Deptno,
 16  Job,
 17  MGR,
 18  TO_CHAR(HireDate, 'YYYY'),
 19  TO_CHAR(HireDate, 'Q'),
 20  TO_CHAR(HireDate, 'Month'),
 21  TO_CHAR(HireDate, 'W'),
 22  TO_CHAR(HireDate, 'Day')
 23  );
```

-----  
**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

DEPTNO	JOB	MGR	YEAR	QUARTER	MONTHS	WEEK	DAY	SUM (SAL)
30								9400
20								10875
10								8750
	SALESMAN							5600
	CLERK							4150
	PRESIDENT							5000
	MANAGER							8275
	ANALYST							6000
								5000
		7839						8275
		7782						1300
		7698						6550
		7902						800
		7566						6000
		7788						1100
			1980					800
			1983					1100

DEPTNO	JOB	MGR	YEAR	QUARTER	MONTHS	WEEK	DAY	SUM (SAL)
			1982					4300
			1981					22825
				1				5250
				3				2750
				4				12750
				2				8275
					September			2750
					December			7750
					January			2400
					June			2450
					November			5000
					April			2975
					February			2850
					May			2850
						1		9775
						3		7400
						2		8050

DEPTNO	JOB	MGR	YEAR	QUARTER	MONTHS	WEEK	DAY	SUM (SAL)
						4		3800
							Sunday	1250
							Friday	4450
							Thursday	9925
							Monday	1250

## 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

Wednesday 1900  
Tuesday 8950  
Saturday 1300

42 rows selected.

## Execution Plan

Plan hash value: 1855244916

Id	Operation	Name	Rows
Bytes	Cost (%CPU)   Time		
0	SELECT STATEMENT		14
1302	29 (28)   00:00:01		
1	TEMP TABLE TRANSFORMATION		
2	LOAD AS SELECT	SYS_TEMP_0FD9D660A_34E3BB	
3	TABLE ACCESS FULL	EMP	14
756	3 (0)   00:00:01		
4	LOAD AS SELECT	SYS_TEMP_0FD9D660B_34E3BB	
5	HASH GROUP BY		1
26	3 (34)   00:00:01		
6	TABLE ACCESS FULL	SYS_TEMP_0FD9D660A_34E3BB	1
26	2 (0)   00:00:01		
7	LOAD AS SELECT	SYS_TEMP_0FD9D660B_34E3BB	
8	HASH GROUP BY		1
19	3 (34)   00:00:01		
9	TABLE ACCESS FULL	SYS_TEMP_0FD9D660A_34E3BB	1
19	2 (0)   00:00:01		
10	LOAD AS SELECT	SYS_TEMP_0FD9D660B_34E3BB	
11	HASH GROUP BY		1
26	3 (34)   00:00:01		
12	TABLE ACCESS FULL	SYS_TEMP_0FD9D660A_34E3BB	1
26	2 (0)   00:00:01		
13	LOAD AS SELECT	SYS_TEMP_0FD9D660B_34E3BB	
14	HASH GROUP BY		1
17	3 (34)   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

```
-----
| 15 |      TABLE ACCESS FULL      | SYS_TEMP_0FD9D660A_34E3BB |      1 |
17 |      2      (0) | 00:00:01 |
| 16 |      LOAD AS SELECT           | SYS_TEMP_0FD9D660B_34E3BB |      |
|      |      |      |
| 17 |      HASH GROUP BY           |      |      1 |
15 |      3      (34) | 00:00:01 |
| 18 |      TABLE ACCESS FULL      | SYS_TEMP_0FD9D660A_34E3BB |      1 |
15 |      2      (0) | 00:00:01 |
| 19 |      LOAD AS SELECT           | SYS_TEMP_0FD9D660B_34E3BB |      |
|      |      |      |
| 20 |      HASH GROUP BY           |      |      1 |
33 |      3      (34) | 00:00:01 |
| 21 |      TABLE ACCESS FULL      | SYS_TEMP_0FD9D660A_34E3BB |      1 |
33 |      2      (0) | 00:00:01 |
| 22 |      LOAD AS SELECT           | SYS_TEMP_0FD9D660B_34E3BB |      |
|      |      |      |
| 23 |      HASH GROUP BY           |      |      1 |
15 |      3      (34) | 00:00:01 |
| 24 |      TABLE ACCESS FULL      | SYS_TEMP_0FD9D660A_34E3BB |      1 |
15 |      2      (0) | 00:00:01 |
| 25 |      LOAD AS SELECT           | SYS_TEMP_0FD9D660B_34E3BB |      |
|      |      |      |
| 26 |      HASH GROUP BY           |      |      1 |
33 |      3      (34) | 00:00:01 |
| 27 |      TABLE ACCESS FULL      | SYS_TEMP_0FD9D660A_34E3BB |      1 |
33 |      2      (0) | 00:00:01 |
| 28 |      VIEW                     |      |      1 |
93 |      2      (0) | 00:00:01 |
| 29 |      TABLE ACCESS FULL      | SYS_TEMP_0FD9D660B_34E3BB |      1 |
93 |      2      (0) | 00:00:01 |
-----
-----
```

Note

-----

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

SQL> ED

Wrote file afiedt.buf

```
1 CREATE MATERIALIZED VIEW MySubTot
2 ENABLE QUERY REWRITE
3 AS
4 SELECT
5 Deptno,
6 Job,
7 MGR,
```

**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  TO_CHAR(HireDate, 'YYYY') Year,
9  TO_CHAR(HireDate, 'Q') Quarter,
10 TO_CHAR(HireDate, 'Month') Months,
11 TO_CHAR(HireDate, 'W') Week,
12 TO_CHAR(HireDate, 'Day') Day,
13 SUM(Sal)
14 FROM Emp
15 GROUP BY
16 GROUPING SETS
17 (
18  Deptno,
19  Job,
20  MGR,
21  TO_CHAR(HireDate, 'YYYY'),
22  TO_CHAR(HireDate, 'Q'),
23  TO_CHAR(HireDate, 'Month'),
24  TO_CHAR(HireDate, 'W'),
25  TO_CHAR(HireDate, 'Day')
26* )
SQL> //
```

Materialized view created.

```
SQL> SELECT
2  Deptno,
3  Job,
4  MGR,
5  TO_CHAR(HireDate, 'YYYY') Year,
6  TO_CHAR(HireDate, 'Q') Quarter,
7  TO_CHAR(HireDate, 'Month') Months,
8  TO_CHAR(HireDate, 'W') Week,
9  TO_CHAR(HireDate, 'Day') Day,
10 SUM(Sal)
11 FROM Emp
12 GROUP BY
13 GROUPING SETS
14 (
15  Deptno,
16  Job,
17  MGR,
18  TO_CHAR(HireDate, 'YYYY'),
19  TO_CHAR(HireDate, 'Q'),
20  TO_CHAR(HireDate, 'Month'),
21  TO_CHAR(HireDate, 'W'),
22  TO_CHAR(HireDate, 'Day')
23 );
```

---

### **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

DEPTNO	JOB	MGR	YEAR	QUARTER	MONTHS	WEEK	DAY	SUM (SAL)
30								9400
20								10875
10								8750
	SALESMAN							5600
	CLERK							4150
	PRESIDENT							5000
	MANAGER							8275
	ANALYST							6000
								5000
		7839						8275
		7782						1300
		7698						6550
		7902						800
		7566						6000
		7788						1100
			1980					800
			1983					1100

DEPTNO	JOB	MGR	YEAR	QUARTER	MONTHS	WEEK	DAY	SUM (SAL)
			1982					4300
			1981					22825
				1				5250
				3				2750
				4				12750
				2				8275
					September			2750
					December			7750
					January			2400
					June			2450
					November			5000
					April			2975
					February			2850
					May			2850
						1		9775
						3		7400
						2		8050

DEPTNO	JOB	MGR	YEAR	QUARTER	MONTHS	WEEK	DAY	SUM (SAL)
						4		3800
							Sunday	1250
							Friday	4450
							Thursday	9925
							Monday	1250

**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

Wednesday 1900  
Tuesday 8950  
Saturday 1300

42 rows selected.

Execution Plan

Plan hash value: 1646132919

Id	Operation	Name	Rows	Bytes	Cost
(%CPU)	Time				
0	SELECT STATEMENT		42	3906	3
(0)	00:00:01				
1	MAT_VIEW REWRITE ACCESS FULL	MYSUBTOT	42	3906	3
(0)	00:00:01				

Note

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

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/>