

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

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

DEPTNO	JOB	SALSUM
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.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT
2  Deptno,
3  GROUPING(Deptno) DeptIDX,
4  Job,
5  GROUPING(Job) JobIDX,
6  SUM(Sal) SalSum
7  FROM Emp
8* GROUP BY ROLLUP(Deptno, Job)
SQL> /
```

DEPTNO	DEPTIDX	JOB	JOBIDX	SALSUM
10	0	CLERK	0	1300
10	0	MANAGER	0	2450
10	0	PRESIDENT	0	5000
10	0		1	8750
20	0	CLERK	0	1900
20	0	ANALYST	0	6000
20	0	MANAGER	0	2975
20	0		1	10875

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```
.....
      30          0 CLERK          0          950
      30          0 MANAGER        0         2850
      30          0 SALESMAN        0         5600
      30          0                 1         9400
      30          1                 1        29025
```

13 rows selected.

SQL> cl scr

```
SQL> SELECT
      2 Deptno,
      3 Job,
      4 GROUPING(Deptno) GDPT,
      5 GROUPING(Job) GJOB,
      6 GROUPING_ID(Deptno, Job) GRPID,
      7 SUM(Sal)
      8 FROM Emp
      9 GROUP BY ROLLUP(Deptno, Job);
```

DEPTNO	JOB	GDPT	GJOB	GRPID	SUM(SAL)
10	CLERK	0	0	0	1300
10	MANAGER	0	0	0	2450
10	PRESIDENT	0	0	0	5000
10		0	1	1	8750
20	CLERK	0	0	0	1900
20	ANALYST	0	0	0	6000
20	MANAGER	0	0	0	2975
20		0	1	1	10875
30	CLERK	0	0	0	950
30	MANAGER	0	0	0	2850
30	SALESMAN	0	0	0	5600
30		0	1	1	9400
		1	1	3	29025

13 rows selected.

```
SQL> ED
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```

```
1 SELECT
2 GROUPING_ID(Deptno, Job) GRPID,
3 Deptno,
4 Job,
5 SUM(Sal)
6 FROM Emp
```

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```
7* GROUP BY ROLLUP(Deptno, Job)
SQL> /
```

GRPID	DEPTNO	JOB	SUM(SAL)
0	10	CLERK	1300
0	10	MANAGER	2450
0	10	PRESIDENT	5000
1	10		8750
0	20	CLERK	1900
0	20	ANALYST	6000
0	20	MANAGER	2975
1	20		10875
0	30	CLERK	950
0	30	MANAGER	2850
0	30	SALESMAN	5600
1	30		9400
3			29025

13 rows selected.

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

```
1  SELECT
2  GROUPING_ID(Deptno, Job) GRPID,
3  Deptno,
4  Job,
5  SUM(Sal)
6  FROM Emp
7  GROUP BY ROLLUP(Deptno, Job)
8* ORDER BY 1
SQL> /
```

GRPID	DEPTNO	JOB	SUM(SAL)
0	10	CLERK	1300
0	10	MANAGER	2450
0	10	PRESIDENT	5000
0	20	MANAGER	2975
0	30	SALESMAN	5600
0	30	MANAGER	2850
0	30	CLERK	950
0	20	CLERK	1900
0	20	ANALYST	6000
1	30		9400
1	20		10875

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1	10	8750
3		29025

13 rows selected.

SQL> ED
Wrote file afiedt.buf

```
1  SELECT
2  Deptno,
3  Job,
4  SUM(Sal)
5  FROM Emp
6  GROUP BY ROLLUP(Deptno, Job)
7  HAVING GROUPING_ID(Deptno, Job) &GRPIDX
8* ORDER BY 1
```

SQL> ED
Wrote file afiedt.buf

```
1  SELECT
2  Deptno,
3  Job,
4  SUM(Sal)
5  FROM Emp
6  GROUP BY ROLLUP(Deptno, Job)
7* HAVING GROUPING_ID(Deptno, Job) &GRPIDX
```

SQL> /
Enter value for grpidx: = 0

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

9 rows selected.

SQL> ED
Wrote file afiedt.buf

```
1  SELECT
```

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```
.....
2 Deptno,
3 Job,
4 SUM(Sal)
5 FROM Emp
6 GROUP BY ROLLUP(Deptno, Job)
7 HAVING GROUPING_ID(Deptno, Job) &GRPIDX
8* ORDER BY 1
SQL> /
Enter value for grpidx: = 0
```

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.

```
SQL> /
Enter value for grpidx: = 1
```

DEPTNO	JOB	SUM(SAL)
10		8750
20		10875
30		9400

```
SQL> /
Enter value for grpidx: = 3
```

DEPTNO	JOB	SUM(SAL)
		29025

```
SQL> /
Enter value for grpidx: IN(1, 3)
```

DEPTNO	JOB	SUM(SAL)
10		8750
20		10875

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```
.....
          30          9400
          29025
```

```
SQL> /
Enter value for grpidx: IN(0, 3)
```

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
		29025

10 rows selected.

```
SQL> /
Enter value for grpidx: IN(, 0, 1, 3)
HAVING GROUPING_ID(Deptno, Job) IN(, 0, 1, 3)
*
```

```
ERROR at line 7:
ORA-00936: missing expression
```

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

```
1  SELECT
2  Deptno,
3  Job,
4  SUM(Sal)
5  FROM Emp
6  GROUP BY ROLLUP(Deptno, Job)
7  HAVING GROUPING_ID(Deptno, Job) &GRPIDX
8* ORDER BY 1
```

```
SQL> /
Enter value for grpidx: IN(0, 1, 3)
```

DEPTNO	JOB	SUM(SAL)
10	CLERK	1300
10	MANAGER	2450

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```
10 PRESIDENT      5000
10                  8750
20 ANALYST         6000
20 CLERK            1900
20 MANAGER          2975
20                  10875
30 CLERK            950
30 MANAGER          2850
30 SALESMAN         5600
30                  9400
                   29025
```

13 rows selected.

SQL> cl scr

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

DEPTNO	JOB	SALSUM
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.

SQL> ED

Wrote file afiedt.buf

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

DEPTNO	JOB	SALSUM
10	CLERK	1300

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```
10 MANAGER      2450
10 PRESIDENT    5000
10              8750
20 ANALYST      6000
20 CLERK        1900
20 MANAGER      2975
20              10875
30 CLERK         950
30 MANAGER      2850
30 SALESMAN     5600
30              9400
                29025
```

13 rows selected.

SQL> ED

Wrote file afiedt.buf

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

DEPTNO	JOB	SALSUM
10	CLERK	1300
10	MANAGER	2450
10	PRESIDENT	5000
20	CLERK	1900
20	ANALYST	6000
20	MANAGER	2975
30	CLERK	950
30	MANAGER	2850
30	SALESMAN	5600
10		8750
20		10875
30		9400
10		8750
20		10875
30		9400

15 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT GROUP_ID() GrpIDX, Deptno, Job, SUM(Sal) SalSum
```

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

GRPIDX	DEPTNO	JOB	SALSUM
0	10	CLERK	1300
0	10	MANAGER	2450
0	10	PRESIDENT	5000
0	20	CLERK	1900
0	20	ANALYST	6000
0	20	MANAGER	2975
0	30	CLERK	950
0	30	MANAGER	2850
0	30	SALESMAN	5600
0	10		8750
0	20		10875
0	30		9400
1	10		8750
1	20		10875
1	30		9400

15 rows selected.

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

```
1 SELECT GROUP_ID() GrpIDX, Deptno, Job, SUM(Sal) SalSum
2 FROM Emp
3 GROUP BY Deptno, ROLLUP(Deptno, Job)
4* HAVING GROUP_ID() = 1
SQL> /
```

GRPIDX	DEPTNO	JOB	SALSUM
1	10		8750
1	20		10875
1	30		9400

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

```
1 SELECT GROUP_ID() GrpIDX, Deptno, Job, SUM(Sal) SalSum
2 FROM Emp
3 GROUP BY Deptno, ROLLUP(Deptno, Job)
4* HAVING GROUP_ID() = 0
SQL> /
```

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GRPIDX	DEPTNO	JOB	SALSUM
0	10	CLERK	1300
0	10	MANAGER	2450
0	10	PRESIDENT	5000
0	20	CLERK	1900
0	20	ANALYST	6000
0	20	MANAGER	2975
0	30	CLERK	950
0	30	MANAGER	2850
0	30	SALESMAN	5600
0	10		8750
0	20		10875
0	30		9400

12 rows selected.

SQL> SPOOL OFF

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