

Spool File For Oracle Students Prepared By Mr.Balram

```
SQL> SELECT DEPTNO, JOB, SUM(SAL)
  2   FROM EMP
  3   GROUP BY GROUPING SETS (DEPTNO, JOB);
```

DEPTNO	JOB	SUM(SAL)
	CLERK	4150
	SALESMAN	5600
	PRESIDENT	5000
	MANAGER	8275
	ANALYST	6000
30		9400
20		10875
10		8750

8 rows selected.

```
SQL> SELECT DEPTNO, NULL JOB, SUM(SAL)
  2   FROM EMP
  3   GROUP BY DEPTNO
  4   UNION
  5   SELECT NULL DEPTNO, JOB, SUM(SAL)
  6   FROM EMP
  7   GROUP BY JOB;
```

DEPTNO	JOB	SUM(SAL)
10		8750
20		10875
30		9400
	ANALYST	6000
	CLERK	4150
	MANAGER	8275
	PRESIDENT	5000
	SALESMAN	5600

8 rows selected.

```
SQL> SELECT
  2   DEPTNO,
  3   JOB,
  4   MGR,
  5   TO_CHAR(HIREDATE, 'YYYY') YEAR,
  6   TO_CHAR(HIREDATE, 'Q') QUARTER,
  7   TO_CHAR(HIREDATE, 'FMMONTH') MONTH,
  8   TO_CHAR(HIREDATE, 'W') WEEK,
  9   TO_CHAR(HIREDATE, 'FMDAY') DAY,
 10   SUM(SAL)
 11   FROM EMP
 12   GROUP BY GROUPING SETS
 13   (
 14   DEPTNO,
 15   JOB,
 16   MGR,
```

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```

17 TO_CHAR(HIREDATE,'YYYY'),
18 TO_CHAR(HIREDATE,'Q'),
19 TO_CHAR(HIREDATE,'FMMONTH'),
20 TO_CHAR(HIREDATE,'W'),
21 TO_CHAR(HIREDATE,'FMDAY')
22 );

```

DEPTNO	JOB	MGR	YEAR	Q	MONTH	W	DAY	SUM(SAL)
		7839						8275
								5000
		7782						1300
		7698						6550
		7902						800
		7566						6000
		7788						1100
	CLERK							4150
	SALESMAN							5600
	PRESIDENT							5000
	MANAGER							8275
	ANALYST							6000
30								9400
20								10875
10								8750
			1987					4100
			1980					800

DEPTNO	JOB	MGR	YEAR	Q	MONTH	W	DAY	SUM(SAL)
			1982					1300
			1981					22825
				1				4150
				3				2750
				4				9750
				2				12375
					FEBRUARY			2850
					NOVEMBER			5000
					JUNE			2450
					DECEMBER			4750
					APRIL			5975
					JANUARY			1300
					SEPTEMBER			2750
					MAY			3950
						1		9775
						3		10400
						4		4900

DEPTNO	JOB	MGR	YEAR	Q	MONTH	W	DAY	SUM(SAL)
						2		3950
							THURSDAY	6925
							FRIDAY	4450
							TUESDAY	8950
							SUNDAY	4250

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MONDAY	1250
WEDNESDAY	800
SATURDAY	2400

42 rows selected.

```
SQL> SELECT ENAME, DEPTNO,
  2  CASE DEPTNO
  3  WHEN 10 THEN 'ACCOUNTING'
  4  WHEN 20 THEN 'RESEARCH'
  5  WHEN 30 THEN 'SALES'
  6  WHEN 40 THEN 'OPERATIONS'
  7  ELSE 'NOT FOUND'
  8  END DNAME
  9  FROM EMP;
```

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

14 rows selected.

```
SQL> SELECT ENAME, DEPTNO,
  2  DECODE
  3  (
  4  DEPTNO,
  5  10, 'ACCOUNTING',
  6  20, 'RESEARCH',
  7  30, 'SALES',
  8  40, 'OPERATIONS',
  9  'NOT FOUND'
 10  ) DNAME
 11  FROM EMP;
```

ENAME	DEPTNO	DNAME
JAMES	30	SALES
SMITH	20	RESEARCH
ALLEN	30	SALES
WARD	30	SALES
JONES	20	RESEARCH

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MARTIN	30	SALES
BLAKE	30	SALES
CLARK	10	ACCOUNTING
SCOTT	20	RESEARCH
KING	10	ACCOUNTING
TURNER	30	SALES
ADAMS	20	RESEARCH
FORD	20	RESEARCH
MILLER	10	ACCOUNTING

14 rows selected.

```
SQL> SELECT ENAME, DEPTNO,
  2  CASE
  3  WHEN DEPTNO = 10 THEN 'ACCOUNTING'
  4  WHEN DEPTNO = 20 THEN 'RESEARCH'
  5  WHEN DEPTNO = 30 THEN 'SALES'
  6  WHEN DEPTNO = 40 THEN 'OPEARATIONS'
  7  ELSE 'NOT SPECIFIED'
  8  END DNAME
  9  FROM EMP;
```

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

14 rows selected.

```
SQL> --SEARCHED CASE--
SQL> SELECT ENAME, DEPTNO,
  2  CASE
  3  WHEN SAL >= 800 AND SAL <= 2000
  4  THEN 'LOWEST PAY'
  5  WHEN SAL >= 2001 AND SAL <= 4000
  6  THEN 'MODERATE PAY'
  7  ELSE 'HIGH PAY'
  8  END REMARKS
  9  FROM EMP;
```

ENAME	DEPTNO	REMARKS
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```
JAMES          30 LOWEST PAY
SMITH          20 LOWEST PAY
ALLEN          30 LOWEST PAY
WARD           30 LOWEST PAY
JONES          20 MODERATE PAY
MARTIN         30 LOWEST PAY
BLAKE          30 MODERATE PAY
CLARK          10 MODERATE PAY
SCOTT          20 MODERATE PAY
KING           10 HIGH PAY
TURNER         30 LOWEST PAY
ADAMS          20 LOWEST PAY
FORD           20 MODERATE PAY
MILLER         10 LOWEST PAY
```

14 rows selected.

```
SQL> SELECT ENAME, DEPTNO, SAL,
  2  CASE
  3  WHEN SAL BETWEEN 800 AND 2000
  4  THEN 'LOWEST PAY'
  5  WHEN SAL BETWEEN 2001 AND 4000
  6  THEN 'MODERATE PAY'
  7  ELSE 'HIGH PAY'
  8  END REMARKS
  9  FROM EMP;
```

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

14 rows selected.

```
SQL> SPOOL OFF
```