# SQL> SELECT \* FROM EMP;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7566 7654 7698 7782 7788	SUKESH SMITH ALLEN WARD	SALESMAN SALESMAN CLERK SALESMAN SALESMAN MANAGER SALESMAN MANAGER MANAGER MANAGER ANALYST PRESIDENT	7698 7698 7839 7698 7839 7839	17-DEC-80 20-FEB-81 22-FEB-81 02-APR-81 28-SEP-81 01-MAY-81 09-JUN-81 19-APR-87	800 1600 1250 2975 1250 2850 2450 3000 5000	300 500 1400	20 10 20 30 30 20 30 30 10 20
7876 7900 7902	TURNER ADAMS JAMES	JOB SALESMAN CLERK CLERK ANALYST CLERK	7698 7788 7698 7566	HIREDATE 	SAL 1500 1100 950 3000 1300	COMM 0	DEPTNO 30 20 30 20 10

16 rows selected.

SQL> SELECT \* FROM EMP

2 WHERE ENAME LIKE 'S%';

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM DE	PTNO
7935	SURESH	SALESMAN					20
7936	SUKESH	SALESMAN					10
7369	SMITH	CLERK	7902	17-DEC-80	800		20
7788	SCOTT	ANALYST	7566	19-APR-87	3000		20

SQL> SELECT \* FROM EMP

2 WHERE ENAME LIKE 'S%H';

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7935	SURESH	SALESMAN					20
7936	SUKESH	SALESMAN					10
7369	SMITH	CLERK	7902	17-DEC-80	800		20

SQL> ROLLBACK;

Rollback complete.

SQL> R

1\* ROLLBACK

Rollback complete.

SQL> SELECT \* FROM EMP

2 WHERE ENAME LIKE 'S%H';

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	17-DEC-80	800		20

SQL> SELECT \* FROM EMP

2 WHERE ENAME LIKE ' ';

no rows selected

SQL> SELECT \* FROM EMP

2 WHERE ENAME LIKE '\_\_';

no rows selected

SQL> SELECT \* FROM EMP

2 WHERE ENAME LIKE '\_\_\_';

no rows selected

SQL> SELECT \* FROM EMP

2 WHERE ENAME LIKE ' ';

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7839	KING	PRESIDENT		17-NOV-81	5000		10
7902	FORD	ANALYST	7566	03-DEC-81	3000		20

SQL> SELECT \* FROM EMP

2 WHERE ENAME LIKE '\_\_A\_';

no rows selected

SQL> SELECT \* FROM EMP

2 WHERE ENAME LIKE ' R ';

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7902	FORD	ANALYST	7566	03-DEC-81	3000		20

SQL> SELECT \* FROM EMP

2 WHERE ENAME LIKE '%A%';

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7698	BLAKE	MANAGER	7839	01-MAY-81	2850		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10

7876 ADAMS	CLERK	7788 23-MAY-87	1100	20
7900 JAMES	CLERK	7698 03-DEC-81	950	30

SQL> SELECT \* FROM EMP

2 WHERE ENAME LIKE '%A%A%';

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7876	ADAMS	CLERK	7788	23-MAY-87	1100		20

SQL> SELECT \* FROM EMP

2 WHERE ENAME LIKE '%A%A';

no rows selected

SQL> SELECT \* FROM EMP;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7260	ONTERIL	OI EDIA	7000	17 DEG 00	0.00		20
/369	SMITH	CLERK	1902	17-DEC-80	800		20
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7566	JONES	MANAGER	7839	02-APR-81	2975		20
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7698	BLAKE	MANAGER	7839	01-MAY-81	2850		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7788	SCOTT	ANALYST	7566	19-APR-87	3000		20
7839	KING	PRESIDENT		17-NOV-81	5000		10
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7876	ADAMS	CLERK	7788	23-MAY-87	1100		20
<b>EMPNO</b>	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7900	JAMES	CLERK	7698	03-DEC-81	950		30
7902	FORD	ANALYST	7566	03-DEC-81	3000		20
7934	MILLER	CLERK	7782	23-JAN-82	1300		10

14 rows selected.

SQL> SELECT \* FROM EMP

2 WHERE ENAME LIKE '%MAN%';

no rows selected

SQL> SELECT \* FROM EMP

2 WHERE JOB LIKE '%MAN%';

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7566	JONES	MANAGER	7839	02-APR-81	2975		20

7782 CLARK	SALESMAN MANAGER MANAGER SALESMAN	7839 7839	28-SEP-81 01-MAY-81 09-JUN-81 08-SEP-81	2850 2450	1400	30 30 10 30
7 rows selected.						
SQL> SELECT * FRO 2 WHERE JOB L						
EMPNO ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7698 BLAKE	MANAGER MANAGER MANAGER	7839		2850		20 30 10
SQL> SELECT * FRO 2 WHERE JOB L						
EMPNO ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499 ALLEN 7521 WARD 7654 MARTIN 7844 TURNER		7698 7698	20-FEB-81 22-FEB-81 28-SEP-81 08-SEP-81	1250 1250	500 1400	30 30 30 30
SQL> SELECT * FRO 2 WHERE JOB NO	OM EMP OT LIKE '%MAN';					
EMPNO ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839 KING 7876 ADAMS 7900 JAMES 7902 FORD 7934 MILLER  10 rows selected  SQL> SELECT * FRO	CLERK  OM EMP	7839 7839 7839 7566 7788 7698 7566	17-DEC-80 02-APR-81 01-MAY-81 09-JUN-81 19-APR-87 17-NOV-81 23-MAY-87 03-DEC-81 03-DEC-81 23-JAN-82	2975 2850 2450 3000 5000 1100 950 3000		20 20 30 10 20 10 20 30 20 10
2 WHERE ENAME EMPNO ENAME		MCR	HIBENATE	SAT	COMM	DE D™MO
						20

SQL> SELECT \* FROM EMP

<sup>2</sup> WHERE JOB = 'MANAGER';

EMPNO ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7566 JONES 7698 BLAKE 7782 CLARK	_	7839		2850		20 30 10
SQL> SELECT * FR 2 WHERE 'MANA	-					
EMPNO ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
	MANAGER MANAGER MANAGER	7839		2850		20 30 10
SQL> SELECT * FR 2 WHERE ENAME	OM EMP LIKE 'SM%';					
EMPNO ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369 SMITH	CLERK	7902	17-DEC-80	800		20

SQL> SELECT \* FROM EMP

2 WHERE 'SM%' LIKE ENAME;

no rows selected

SQL> SELECT ENAME, DEPTNO, HIREDATE
2 FROM EMP;

ENAME	DEPTNO	HIREDATE
SMITH	20	17-DEC-80
ALLEN	30	20-FEB-81
WARD	30	22-FEB-81
JONES	20	02-APR-81
MARTIN	30	28-SEP-81
BLAKE	30	01-MAY-81
CLARK	10	09-JUN-81
SCOTT	20	19-APR-87
KING	10	17-NOV-81
TURNER	30	08-SEP-81
ADAMS	20	23-MAY-87
ENAME	DEPTNO	HIREDATE
JAMES	30	03-DEC-81
FORD	20	03-DEC-81
MILLER	10	23-JAN-82

14 rows selected.

SQL> SELECT ENAME, DEPTNO, HIREDATE

2 FROM EMP

## 3 WHERE HIREDATE LIKE '%-%-81';

ENAME	DEPTNO	HIREDATE
ALLEN	30	20-FEB-81
WARD	30	22-FEB-81
JONES	20	02-APR-81
MARTIN	30	28-SEP-81
BLAKE	30	01-MAY-81
CLARK	10	09-JUN-81
KING	10	17-NOV-81
TURNER	30	08-SEP-81
JAMES	30	03-DEC-81
FORD	20	03-DEC-81

10 rows selected.

SQL> SELECT ENAME, DEPTNO, HIREDATE

- 2 FROM EMP
- 3 WHERE HIREDATE LIKE '03-DEC-81';

ENAME	DEPTNO	HIREDATE
JAMES FORD	0.0	03-DEC-81 03-DEC-81

SQL> ED

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- 1 SELECT ENAME, DEPTNO, HIREDATE
- 2 FROM EMP
- 3\* WHERE HIREDATE LIKE '03-DEC-2081' SQL> /

no rows selected

SQL> ED

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- 1 SELECT ENAME, DEPTNO, HIREDATE
- 2 FROM EMP
- 3\* WHERE HIREDATE LIKE '03-DEC-81'

SQL> /

ENAME	DEPTNO	HIREDATE	
JAMES	30	03-DEC-81	
FORD	20	03-DEC-81	

SQL> ED

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- 1 SELECT ENAME, DEPTNO, HIREDATE
- 2 FROM EMP

```
3* WHERE HIREDATE LIKE '03-DEC-1981'
SOL> /
no rows selected
SQL> SELECT ENAME, DEPTNO, HIREDATE
  2 FROM EMP
  3 WHERE HIREDATE = '03-DEC-1981';
ENAME
         DEPTNO HIREDATE
-----
JAMES
               30 03-DEC-81
FORD
              20 03-DEC-81
SQL> SELECT ENAME, DEPTNO, HIREDATE
  2 FROM EMP
  3 WHERE HIREDATE LIKE '%-DEC-%';
ENAME
          DEPTNO HIREDATE
SMITH
              20 17-DEC-80
JAMES
              30 03-DEC-81
              20 03-DEC-81
FORD
SQL> SELECT ENAME, DEPTNO, HIREDATE
  2 FROM EMP
  3 WHERE HIREDATE LIKE '%-DECEMBER-%';
no rows selected
SQL> SELECT ENAME, DEPTNO, HIREDATE
  2 FROM EMP
  3 WHERE HIREDATE = '03-DECEMBER-81';
         DEPTNO HIREDATE
             30 03-DEC-81
JAMES
              20 03-DEC-81
FORD
SQL> SELECT * FROM DEPT;
                     LOC
DEPTNO DNAME
   10 ACCOUNTING NEW YOU
20 RESEARCH DALLAS
30 SALES CHICAGO
                     NEW YORK
                    CHICAGO
    40 OPERATIONS BOSTON
SQL> INSERT INTO DEPT
  2 VALUES(50, 'SHIPPING BASE', 'CHENNAI');
```

1 row created.

SQL> INSERT INTO DEPT

```
2 VALUES(60, 'CARGO%DECK', 'MUMBAI');
1 row created.
SQL> INSERT INTO DEPT
  2 VALUES(70, 'COURIER%RACK', 'DELHI');
1 row created.
SQL> SELECT * FROM DEPT
  2 WHERE DNAME LIKE '% %';
DEPTNO DNAME
                    LOC
-----
   50 SHIPPING BASE CHENNAI
    60 CARGO%DECK MUMBAI
    70 COURIER%RACK DELHI
    10 ACCOUNTING NEW YORK 20 RESEARCH DALLAS
    20 RESEARCH
    30 SALES
                    CHICAGO
    40 OPERATIONS BOSTON
7 rows selected.
SQL> SELECT * FROM DEPT
  2 WHERE DNAME LIKE '%\ %';
no rows selected
SQL> SELECT * FROM DEPT
  2 WHERE DNAME LIKE '%\ %' ESCAPE '\';
DEPTNO DNAME
              LOC
    50 SHIPPING BASE CHENNAI
SQL> SELECT * FROM DEPT
  2 WHERE DNAME LIKE '%%%';
DEPTNO DNAME
              LOC
    50 SHIPPING BASE CHENNAI
    60 CARGO%DECK MUMBAI
    70 COURIER%RACK DELHI
    10 ACCOUNTING NEW YORK
20 RESEARCH DALLAS
30 SALES CHICAGO
    30 SALES
                    CHICAGO
    40 OPERATIONS BOSTON
7 rows selected.
SQL> SELECT * FROM DEPT
  2 WHERE DNAME LIKE '%\%%';
```

```
SQL> SELECT * FROM DEPT
 2 WHERE DNAME LIKE '%\%%' ESCAPE '\';
                   LOC
DEPTNO DNAME
-----
   60 CARGO%DECK MUMBAI
   70 COURIER%RACK DELHI
SQL> DELETE FROM DEPT
  2 WHERE DEPTNO=70;
1 row deleted.
SQL> INSERT INTO DEPT
  2 VALUES(70, 'COURIER\RACK', 'DELHI');
1 row created.
SQL> SELECT * FROM DEPT
  2 WHERE DNAME LIKE '%0%%' ESCAPE '0';
DEPTNO DNAME
              LOC
   60 CARGO%DECK MUMBAI
SQL> SELECT * FROM DEPT
  2 WHERE DNAME LIKE '% %' ESCAPE ' ';
             LOC
DEPTNO DNAME
   50 SHIPPING BASE CHENNAI
SOL> SELECT * FROM DEPT
 2 WHERE DNAME LIKE '%%%%' ESCAPE '%';
no rows selected
SQL> SELECT * FROM DEPT
 2 WHERE DNAME LIKE '%\\%' ESCAPE '\';
DEPTNO DNAME
                   LOC
   70 COURIER\RACK DELHI
SOL> --ORDERING THE DATA BY USING ORDER BY CLAUSE
SQL> SELECT ENAME FROM EMP;
ENAME
-----
SMITH
ALLEN
```

no rows selected

WARD

JONES

MARTIN

BLAKE

CLARK

SCOTT

KING

TURNER

**ADAMS** 

ENAME

-----

**JAMES** 

FORD

MILLER

14 rows selected.

SQL> SELECT ENAME, SAL FROM EMP;

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

14 rows selected.

SQL> SELECT ENAME FROM EMP
2 ORDER BY ENAME;

ENAME

ADAMS

ALLEN

BLAKE

CLARK

FORD

**JAMES** 

JONES

KING

```
MILLER
SCOTT
ENAME
-----
SMITH
TURNER
WARD
14 rows selected.
SQL> SELECT SAL FROM EMP
 2 ORDER BY SAL ;
 SAL
-----
  800
 950
 1100
 1250
 1250
 1300
 1500
 1600
 2450
 2850
2975
 SAL
-----
 3000
 3000
5000
14 rows selected.
SQL> SELECT SAL FROM EMP
 2 ORDER BY SAL DESC;
 SAL
 5000
 3000
 3000
 2975
 2850
 2450
 1600
 1500
 1300
 1250
 1250
```

MARTIN

```
SAL
-----
 1100
  950
  800
14 rows selected.
SQL> SELECT HIREDATE FROM EMP
  2 ORDER BY HIREDATE ASC;
HIREDATE
-----
17-DEC-80
20-FEB-81
22-FEB-81
02-APR-81
01-MAY-81
09-JUN-81
08-SEP-81
28-SEP-81
17-NOV-81
03-DEC-81
03-DEC-81
HIREDATE
-----
23-JAN-82
19-APR-87
23-MAY-87
14 rows selected.
SQL> SELECT HIREDATE FROM EMP
  2 ORDER BY HIREDATE DESC;
HIREDATE
23-MAY-87
19-APR-87
23-JAN-82
03-DEC-81
03-DEC-81
17-NOV-81
28-SEP-81
08-SEP-81
09-JUN-81
01-MAY-81
02-APR-81
HIREDATE
22-FEB-81
20-FEB-81
```

## 17-DEC-80

14 rows selected.

## 

# DEPTNO 10 10 10 20 20 20 20 20 30 30 30 30 DEPTNO

### -----

30

30

30

14 rows selected.

SQL> SELECT ENAME, SAL FROM EMP;

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

14 rows selected.

SQL> SELECT ENAME, SAL FROM EMP

## 2 ORDER BY SAL;

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

14 rows selected.

SQL> SELECT ENAME, DEPTNO, JOB, SAL

- 2 FROM EMP
- 3 ORDER BY SAL;

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

14 rows selected.

SQL> SELECT ENAME, DEPTNO, JOB, SAL

- 2 FROM EMP 3 ORDER BY DEPTNO;

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

SQL> SELECT ENAME, DEPTNO, JOB, SAL

- 2 FROM EMP
- 3 ORDER BY DEPTNO, SAL DESC;

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

14 rows selected.

SQL> SELECT ENAME, DEPTNO, JOB, SAL

- 2 FROM EMP
- 3 ORDER BY DEPTNO, SAL;

ENAME	DEPTNO	JOB	SAL

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

SQL> SELECT ENAME, DEPTNO, JOB, SAL

- 2 FROM EMP
- 3 ORDER BY DEPTNO, SAL, ENAME DESC;

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

14 rows selected.

SQL> ED

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- 1 SELECT ENAME, DEPTNO, SAL, COMM, SAL+NVL (COMM, 0) TOTSAL
- 2 FROM EMP
- 3\* ORDER BY SAL+NVL(COMM, 0)

ENAME	DEPTNO	SAL	COMM	TOTSAL
SMITH JAMES ADAMS MILLER TURNER WARD ALLEN CLARK MARTIN	20 30 20 10 30 30 30 30 10 30	800 950 1100 1300 1500 1250 1600 2450 1250	0 500 300 1400	800 950 1100 1300 1500 1750 1900 2450 2650
BLAKE	30	2850	COMM	2850
JONES	20	2975		2975
ENAME	DEPTNO	SAL		TOTSAL
FORD	20	3000		3000
SCOTT	20	3000		3000
KING	10	5000		5000

SQL> ED

Wrote file afiedt.buf

- 1 SELECT ENAME, DEPTNO, SAL, COMM, SAL+NVL (COMM, 0) TOTSAL
- 2 FROM EMP
- 3\* ORDER BY SAL+NVL(COMM, 0) DESC

SQL> ,

ENAME	DEPTNO	SAL	COMM	TOTSAL
KING FORD SCOTT JONES BLAKE	10 20 20 20 20 30	5000 3000 3000 2975 2850		5000 3000 3000 2975 2850
MARTIN CLARK ALLEN WARD TURNER MILLER	30 10 30 30 30 30	1250 2450 1600 1250 1500 1300	1400 300 500 0	2650 2450 1900 1750 1500
ENAME	DEPTNO	SAL	COMM	TOTSAL
ADAMS JAMES SMITH	20 30 20	1100 950 800		1100 950 800

14 rows selected.

SQL> ED

Wrote file afiedt.buf

- 1 SELECT ENAME, DEPTNO, SAL, COMM, SAL+NVL (COMM, 0) TOTSAL
- 2 FROM EMP
- 3\* ORDER BY TOTSAL

SQL> /

ENAME	DEPTNO	SAL	COMM	TOTSAL
SMITH	20	800		800
JAMES	30	950		950
ADAMS	20	1100		1100
MILLER	10	1300		1300
TURNER	30	1500	0	1500
WARD	30	1250	500	1750
ALLEN	30	1600	300	1900
CLARK	10	2450		2450
MARTIN	30	1250	1400	2650
BLAKE	30	2850		2850
JONES	20	2975		2975
ENAME	DEPTNO	SAL	COMM	TOTSAL
FORD	20	3000		3000
SCOTT	20	3000		3000
KING	10	5000		5000

14 rows selected.

SQL> ED

Wrote file afiedt.buf

- 1 SELECT ENAME, DEPTNO, SAL, COMM, SAL+NVL (COMM, 0) TOTSAL
- 2 FROM EMP
- 3\* ORDER BY HIREDATE

ENAME	DEPTNO	SAL	COMM	TOTSAL
SMITH	20	800		800
ALLEN	30	1600	300	1900
WARD	30	1250	500	1750
JONES	20	2975		2975
BLAKE	30	2850		2850
CLARK	10	2450		2450
TURNER	30	1500	0	1500
MARTIN	30	1250	1400	2650
KING	10	5000		5000
JAMES	30	950		950
FORD	20	3000		3000
ENAME	DEPTNO	SAL	COMM	TOTSAL
	1.0	1000		1000
MILLER	10	1300		1300
SCOTT	20	3000		3000

ADAMS 20 1100 1100

14 rows selected.

SQL> ED

Wrote file afiedt.buf

- 1 SELECT ENAME, DEPTNO, SAL, COMM, SAL+NVL (COMM, 0) TOTSAL
- 2 FROM EMP
- 3\* ORDER BY 1

SQL> /

ENAME	DEPTNO	SAL	COMM	TOTSAL
A DAMC	20	1100		1100
ADAMS		1100		1100
ALLEN	30	1600	300	1900
BLAKE	30	2850		2850
CLARK	10	2450		2450
FORD	20	3000		3000
JAMES	30	950		950
JONES	20	2975		2975
KING	10	5000		5000
MARTIN	30	1250	1400	2650
MILLER	10	1300		1300
SCOTT	20	3000		3000
ENAME	DEPTNO	SAL	COMM	TOTSAL
SMITH	20	800		800
TURNER	30	1500	0	1500
WARD	30	1250	500	1750

14 rows selected.

SQL> ED

Wrote file afiedt.buf

- 1 SELECT ENAME, DEPTNO, SAL, COMM, SAL+NVL (COMM, 0) TOTSAL
- 2 FROM EMP
- 3\* ORDER BY 2 DESC

ENAME	DEPTNO	SAL	COMM	TOTSAL
BLAKE	30	2850		2850
TURNER	30	1500	0	1500
ALLEN	30	1600	300	1900
MARTIN	30	1250	1400	2650
WARD	30	1250	500	1750
JAMES	30	950		950
SCOTT	20	3000		3000
JONES	20	2975		2975
SMITH	20	800		800
ADAMS	20	1100		1100

FORD	20	3000		3000
ENAME	DEPTNO	SAL	COMM	TOTSAL
KING MILLER CLARK	10 10 10	5000 1300 2450		5000 1300 2450

SQL> ED

Wrote file afiedt.buf

- 1 SELECT ENAME, DEPTNO, SAL, COMM, SAL+NVL (COMM, 0) TOTSAL
- 2 FROM EMP
- 3\* ORDER BY 4 DESC

SQL> /

ENAME	DEPTNO	SAL	COMM	TOTSAL
SMITH	20	800		800
CLARK	10	2450		2450
FORD	20	3000		3000
JAMES	30	950		950
ADAMS	20	1100		1100
JONES	20	2975		2975
BLAKE	30	2850		2850
MILLER	10	1300		1300
SCOTT	20	3000		3000
KING	10	5000		5000
MARTIN	30	1250	1400	2650
ENAME	DEPTNO	SAL	COMM	TOTSAL
WARD	30	1250	500	1750
ALLEN	30	1600	300	1900
TURNER	30	1500	0	1500

14 rows selected.

SQL> ED

Wrote file afiedt.buf

- 1 SELECT ENAME, DEPTNO, SAL, COMM, SAL+NVL (COMM, 0) TOTSAL
- 2 FROM EMP
- 3\* ORDER BY 5 DESC

ENAME	DEPTNO	SAL	COMM	TOTSAL
KING	10	5000		5000
FORD	20	3000		3000
SCOTT	20	3000		3000
JONES	20	2975		2975

BLAKE	30	2850		2850
MARTIN	30	1250	1400	2650
CLARK	10	2450		2450
ALLEN	30	1600	300	1900
WARD	30	1250	500	1750
TURNER	30	1500	0	1500
MILLER	10	1300		1300
ENAME	DEPTNO	SAL	COMM	TOTSAL
ADAMS JAMES SMITH	20 30 20	1100 950 800		1100 950 800

SQL> ED

Wrote file afiedt.buf

- 1 SELECT ENAME, DEPTNO, SAL, SAL+NVL (COMM, 0) TOTSAL
- 2 FROM EMP
- 3\* ORDER BY 5 DESC

SQL> /

ORDER BY 5 DESC

\*

ERROR at line 3:

ORA-01785: ORDER BY item must be the number of a SELECT-list expression

- SQL> SELECT
  - 2 ENAME,
  - 3 DEPTNO,
  - 4 JOB,
  - 5 SAL,
  - 6 COMM,
  - 7 SAL+NVL(COMM, 0) TOTSAL
  - 8 FROM EMP
  - 9 ORDER BY 4 DESC ,2,1;

ENAME	DEPTNO	JOB	SAL	COMM	TOTSAL
KING	10	PRESIDENT	5000		5000
FORD	20	ANALYST	3000		3000
SCOTT	20	ANALYST	3000		3000
JONES	20	MANAGER	2975		2975
BLAKE	30	MANAGER	2850		2850
CLARK	10	MANAGER	2450		2450
ALLEN	30	SALESMAN	1600	300	1900
TURNER	30	SALESMAN	1500	0	1500
MILLER	10	CLERK	1300		1300
MARTIN	30	SALESMAN	1250	1400	2650
WARD	30	SALESMAN	1250	500	1750
ENAME	DEPTNO	JOB	SAL	COMM	TOTSAL

ADAMS	20	CLERK	1100	1100
JAMES	30	CLERK	950	950
SMITH	20	CLERK	800	800

SQL> SPOOL OFF