

SQL> CL SCR

SQL> --SELECT SAL + COMM

SQL> -- SELECT 125 + 45

SQL> --SELECT (125 + 45) * 45

SQL> --SELECT 125+45, 125+ 45,125+ 45

SQL> CL SCR

SQL> SELECT * FROM EMP;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	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

EMPNO	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 ENAME,DEPTNO,SAL, SAL * 12
2 FROM EMP;

ENAME	DEPTNO	SAL	SAL*12
SMITH	20	800	9600
ALLEN	30	1600	19200
WARD	30	1250	15000
JONES	20	2975	35700
MARTIN	30	1250	15000
BLAKE	30	2850	34200
CLARK	10	2450	29400
SCOTT	20	3000	36000
KING	10	5000	60000
TURNER	30	1500	18000
ADAMS	20	1100	13200

ENAME	DEPTNO	SAL	SAL*12
JAMES	30	950	11400
FORD	20	3000	36000
MILLER	10	1300	15600

14 rows selected.

```
SQL> SELECT ENAME, DEPTNO, SAL * 12
       2 FROM EMP;
```

ENAME	DEPTNO	SAL*12
SMITH	20	9600
ALLEN	30	19200
WARD	30	15000
JONES	20	35700
MARTIN	30	15000
BLAKE	30	34200
CLARK	10	29400
SCOTT	20	36000
KING	10	60000
TURNER	30	18000
ADAMS	20	13200

ENAME	DEPTNO	SAL*12
JAMES	30	11400
FORD	20	36000
MILLER	10	15600

14 rows selected.

```
SQL> SELECT ENAME,DEPTNO,SAL, SAL + 500
       2 FROM EMP;
```

ENAME	DEPTNO	SAL	SAL+500
SMITH	20	800	1300
ALLEN	30	1600	2100
WARD	30	1250	1750
JONES	20	2975	3475
MARTIN	30	1250	1750
BLAKE	30	2850	3350
CLARK	10	2450	2950
SCOTT	20	3000	3500
KING	10	5000	5500
TURNER	30	1500	2000
ADAMS	20	1100	1600

ENAME	DEPTNO	SAL	SAL+500
JAMES	30	950	1450
FORD	20	3000	3500
MILLER	10	1300	1800

14 rows selected.

```
SQL> SELECT ENAME,DEPTNO,SAL, SAL + 500,SAL - 500
```

2 FROM EMP;

ENAME	DEPTNO	SAL	SAL+500	SAL-500
SMITH	20	800	1300	300
ALLEN	30	1600	2100	1100
WARD	30	1250	1750	750
JONES	20	2975	3475	2475
MARTIN	30	1250	1750	750
BLAKE	30	2850	3350	2350
CLARK	10	2450	2950	1950
SCOTT	20	3000	3500	2500
KING	10	5000	5500	4500
TURNER	30	1500	2000	1000
ADAMS	20	1100	1600	600

ENAME	DEPTNO	SAL	SAL+500	SAL-500
JAMES	30	950	1450	450
FORD	20	3000	3500	2500
MILLER	10	1300	1800	800

14 rows selected.

SQL> SELECT ENAME,DEPTNO,SAL, SAL * 12,SAL * 6,SAL + 1000, SAL - 1000
2 FROM EMP;

ENAME	DEPTNO	SAL	SAL*12	SAL*6	SAL+1000	SAL-1000
SMITH	20	800	9600	4800	1800	-200
ALLEN	30	1600	19200	9600	2600	600
WARD	30	1250	15000	7500	2250	250
JONES	20	2975	35700	17850	3975	1975
MARTIN	30	1250	15000	7500	2250	250
BLAKE	30	2850	34200	17100	3850	1850
CLARK	10	2450	29400	14700	3450	1450
SCOTT	20	3000	36000	18000	4000	2000
KING	10	5000	60000	30000	6000	4000
TURNER	30	1500	18000	9000	2500	500
ADAMS	20	1100	13200	6600	2100	100

ENAME	DEPTNO	SAL	SAL*12	SAL*6	SAL+1000	SAL-1000
JAMES	30	950	11400	5700	1950	-50
FORD	20	3000	36000	18000	4000	2000
MILLER	10	1300	15600	7800	2300	300

14 rows selected.

SQL> SELECT ENAME, SAL + 1000 * 12
2 FROM EMP;

ENAME	SAL+1000*12
-------	-------------

SMITH	12800
ALLEN	13600
WARD	13250
JONES	14975
MARTIN	13250
BLAKE	14850
CLARK	14450
SCOTT	15000
KING	17000
TURNER	13500
ADAMS	13100

ENAME	SAL+1000*12

JAMES	12950
FORD	15000
MILLER	13300

14 rows selected.

```
SQL> SELECT ENAME, (SAL + 1000) * 12
2 FROM EMP;
```

ENAME	(SAL+1000)*12

SMITH	21600
ALLEN	31200
WARD	27000
JONES	47700
MARTIN	27000
BLAKE	46200
CLARK	41400
SCOTT	48000
KING	72000
TURNER	30000
ADAMS	25200

ENAME	(SAL+1000)*12

JAMES	23400
FORD	48000
MILLER	27600

14 rows selected.

```
SQL> SELECT 125 + 45
2 FROM DUAL;
```

125+45

170

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

```

1  SELECT 125 + 45, 125 - 45, 125 * 5, 125/25
2* FROM DUAL
SQL> /

```

125+45	125-45	125*5	125/25
-----	-----	-----	-----
170	80	625	5

```

SQL> SELECT EMPNO,ENAME, SAL, COMM
2  FROM EMP;

```

EMPNO	ENAME	SAL	COMM
-----	-----	-----	-----
7369	SMITH	800	
7499	ALLEN	1600	300
7521	WARD	1250	500
7566	JONES	2975	
7654	MARTIN	1250	1400
7698	BLAKE	2850	
7782	CLARK	2450	
7788	SCOTT	3000	
7839	KING	5000	
7844	TURNER	1500	0
7876	ADAMS	1100	

EMPNO	ENAME	SAL	COMM
-----	-----	-----	-----
7900	JAMES	950	
7902	FORD	3000	
7934	MILLER	1300	

14 rows selected.

```

SQL> SELECT EMPNO, ENAME, SAL, COMM, SAL + COMM
2  FROM EMP;

```

EMPNO	ENAME	SAL	COMM	SAL+COMM
-----	-----	-----	-----	-----
7369	SMITH	800		
7499	ALLEN	1600	300	1900
7521	WARD	1250	500	1750
7566	JONES	2975		
7654	MARTIN	1250	1400	2650
7698	BLAKE	2850		
7782	CLARK	2450		
7788	SCOTT	3000		
7839	KING	5000		
7844	TURNER	1500	0	1500
7876	ADAMS	1100		

EMPNO	ENAME	SAL	COMM	SAL+COMM
-----	-----	-----	-----	-----
7900	JAMES	950		

```

7902 FORD          3000
7934 MILLER        1300

```

14 rows selected.

```

SQL> SELECT EMPNO,ENAME,SAL, COMM, NVL(COMM,1000)
      2  FROM EMP;

```

EMPNO	ENAME	SAL	COMM	NVL(COMM,1000)
7369	SMITH	800		1000
7499	ALLEN	1600	300	300
7521	WARD	1250	500	500
7566	JONES	2975		1000
7654	MARTIN	1250	1400	1400
7698	BLAKE	2850		1000
7782	CLARK	2450		1000
7788	SCOTT	3000		1000
7839	KING	5000		1000
7844	TURNER	1500	0	0
7876	ADAMS	1100		1000

EMPNO	ENAME	SAL	COMM	NVL(COMM,1000)
7900	JAMES	950		1000
7902	FORD	3000		1000
7934	MILLER	1300		1000

14 rows selected.

```

SQL> SELECT
      2  ENAME,
      3  SAL,
      4  COMM,
      5  SAL + NVL(COMM,0)
      6  FROM EMP;

```

ENAME	SAL	COMM	SAL+NVL(COMM,0)
SMITH	800		800
ALLEN	1600	300	1900
WARD	1250	500	1750
JONES	2975		2975
MARTIN	1250	1400	2650
BLAKE	2850		2850
CLARK	2450		2450
SCOTT	3000		3000
KING	5000		5000
TURNER	1500	0	1500
ADAMS	1100		1100

ENAME	SAL	COMM	SAL+NVL(COMM,0)
JAMES	950		950

FORD	3000	3000
MILLER	1300	1300

14 rows selected.

SQL> ED
Wrote file afiedt.buf

```

1  SELECT
2  ENAME,
3  SAL,
4  COMM,
5  SAL + NVL(COMM,1000)
6* FROM EMP
SQL> /

```

ENAME	SAL	COMM	SAL+NVL (COMM,1000)
SMITH	800		1800
ALLEN	1600	300	1900
WARD	1250	500	1750
JONES	2975		3975
MARTIN	1250	1400	2650
BLAKE	2850		3850
CLARK	2450		3450
SCOTT	3000		4000
KING	5000		6000
TURNER	1500	0	1500
ADAMS	1100		2100

ENAME	SAL	COMM	SAL+NVL (COMM,1000)
JAMES	950		1950
FORD	3000		4000
MILLER	1300		2300

14 rows selected.

```

SQL> SELECT
2  ENAME NAME,
3  DEPTNO DEPTID,
4  SAL SALARY,
5  COMM COMMISSION,
6  FROM EMP;
FROM EMP
*
ERROR at line 6:
ORA-00936: missing expression

```

SQL> ED
Wrote file afiedt.buf

```

1  SELECT

```

```

2  ENAME NAME,
3  DEPTNO DEPTID,
4  SAL SALARY,
5  COMM COMMISSION
6* FROM EMP
SQL> /

```

NAME	DEPTID	SALARY	COMMISSION
SMITH	20	800	
ALLEN	30	1600	300
WARD	30	1250	500
JONES	20	2975	
MARTIN	30	1250	1400
BLAKE	30	2850	
CLARK	10	2450	
SCOTT	20	3000	
KING	10	5000	
TURNER	30	1500	0
ADAMS	20	1100	

NAME	DEPTID	SALARY	COMMISSION
JAMES	30	950	
FORD	20	3000	
MILLER	10	1300	

14 rows selected.

```

SQL> SELECT
2  ENAME NAME,
3  DEPTNO DEPTID,
4  SAL    BASIC SALARY,
5  COMM COMMISSION
6  FROM EMP;
SQL> BASIC SALARY,
      *

```

ERROR at line 4:
ORA-00923: FROM keyword not found where expected

```

SQL> ED
Wrote file afiedt.buf

```

```

1  SELECT
2  ENAME NAME,
3  DEPTNO DEPTID,
4  SAL    "BASIC SALARY",
5  COMM COMMISSION
6* FROM EMP
SQL> /

```

NAME	DEPTID	BASIC SALARY	COMMISSION
------	--------	--------------	------------

SMITH	20	800	
ALLEN	30	1600	300
WARD	30	1250	500
JONES	20	2975	
MARTIN	30	1250	1400
BLAKE	30	2850	
CLARK	10	2450	
SCOTT	20	3000	
KING	10	5000	
TURNER	30	1500	0
ADAMS	20	1100	

NAME	DEPTID	BASIC SALARY	COMMISSION
JAMES	30	950	
FORD	20	3000	
MILLER	10	1300	

14 rows selected.

```
SQL> SELECT
  2  ENAME AS NAME,
  3  DEPTNO AS DEPTID,
  4  SAL   AS  "BASIC SALARY"
  5  COMM  AS  COMMISSION
  6  FROM EMP;
```

COMM AS COMMISSION

*

ERROR at line 5:

ORA-00923: FROM keyword not found where expected

SQL> ED

Wrote file afiedt.buf

```

  1  SELECT
  2  ENAME AS NAME,
  3  DEPTNO AS DEPTID,
  4  SAL   AS  "BASIC SALARY",
  5  COMM  AS  COMMISSION
  6* FROM EMP
```

SQL> /

NAME	DEPTID	BASIC SALARY	COMMISSION
SMITH	20	800	
ALLEN	30	1600	300
WARD	30	1250	500
JONES	20	2975	
MARTIN	30	1250	1400
BLAKE	30	2850	
CLARK	10	2450	
SCOTT	20	3000	
KING	10	5000	

TURNER	30	1500	0
ADAMS	20	1100	

NAME	DEPTID	BASIC SALARY	COMMISSION
JAMES	30	950	
FORD	20	3000	
MILLER	10	1300	

14 rows selected.

```
SQL> SELECT ENAME, DEPTNO, SAL, COMM
2 FROM EMP;
```

ENAME	DEPTNO	SAL	COMM
SMITH	20	800	
ALLEN	30	1600	300
WARD	30	1250	500
JONES	20	2975	
MARTIN	30	1250	1400
BLAKE	30	2850	
CLARK	10	2450	
SCOTT	20	3000	
KING	10	5000	
TURNER	30	1500	0
ADAMS	20	1100	

ENAME	DEPTNO	SAL	COMM
JAMES	30	950	
FORD	20	3000	
MILLER	10	1300	

14 rows selected.

```
SQL> SELECT
2 ENAME,
3 DEPTNO,
4 SAL SALARY,
5 SALARY * 12
6 FROM EMP;
```

SALARY * 12

*

ERROR at line 5:
ORA-00904: "SALARY": invalid identifier

```
SQL> SELECT
2 EMPNO NUMBER
3 ,
4 ENAME NAME,
5 SAL BASICSALARY
6 FROM EMP;
```

EMPNO NUMBER

*

ERROR at line 2:

ORA-00923: FROM keyword not found where expected

SQL> ED

Wrote file afiedt.buf

```
1  SELECT
2  EMPNO  NUMBERS,
3  ENAME  NAME,
4  SAL    BASICSALARY
5* FROM EMP
SQL> /
```

NUMBERS	NAME	BASICSALARY
7369	SMITH	800
7499	ALLEN	1600
7521	WARD	1250
7566	JONES	2975
7654	MARTIN	1250
7698	BLAKE	2850
7782	CLARK	2450
7788	SCOTT	3000
7839	KING	5000
7844	TURNER	1500
7876	ADAMS	1100

NUMBERS	NAME	BASICSALARY
7900	JAMES	950
7902	FORD	3000
7934	MILLER	1300

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT
2  EMPNO  "NUMBER",
3  ENAME  NAME,
4  SAL    BASICSALARY
5* FROM EMP
SQL> /
```

NUMBER	NAME	BASICSALARY
7369	SMITH	800
7499	ALLEN	1600
7521	WARD	1250
7566	JONES	2975

7654	MARTIN	1250
7698	BLAKE	2850
7782	CLARK	2450
7788	SCOTT	3000
7839	KING	5000
7844	TURNER	1500
7876	ADAMS	1100

NUMBER	NAME	BASICSALARY
7900	JAMES	950
7902	FORD	3000
7934	MILLER	1300

14 rows selected.

```
SQL> SELECT ENAME, DEPTNO, JOB SAL, COMM, HIREDATE
2 FROM EMP;
```

ENAME	DEPTNO	SAL	COMM	HIREDATE
SMITH	20	CLERK		17-DEC-80
ALLEN	30	SALESMAN	300	20-FEB-81
WARD	30	SALESMAN	500	22-FEB-81
JONES	20	MANAGER		02-APR-81
MARTIN	30	SALESMAN	1400	28-SEP-81
BLAKE	30	MANAGER		01-MAY-81
CLARK	10	MANAGER		09-JUN-81
SCOTT	20	ANALYST		19-APR-87
KING	10	PRESIDENT		17-NOV-81
TURNER	30	SALESMAN	0	08-SEP-81
ADAMS	20	CLERK		23-MAY-87

ENAME	DEPTNO	SAL	COMM	HIREDATE
JAMES	30	CLERK		03-DEC-81
FORD	20	ANALYST		03-DEC-81
MILLER	10	CLERK		23-JAN-82

14 rows selected.

```
SQL> SELECT ENAME, DEPTNO, JOB SAL COMM, HIREDATE
2 FROM EMP;
```

```
SELECT ENAME, DEPTNO, JOB SAL COMM, HIREDATE
*
```

ERROR at line 1:

ORA-00923: FROM keyword not found where expected

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

```
1 SELECT ENAME, DEPTNO, SAL, SAL + NVL(COMM,0) TOTSAL
2* FROM EMP
```

SQL> /

ENAME	DEPTNO	SAL	TOTSAL
SMITH	20	800	800
ALLEN	30	1600	1900
WARD	30	1250	1750
JONES	20	2975	2975
MARTIN	30	1250	2650
BLAKE	30	2850	2850
CLARK	10	2450	2450
SCOTT	20	3000	3000
KING	10	5000	5000
TURNER	30	1500	1500
ADAMS	20	1100	1100

ENAME	DEPTNO	SAL	TOTSAL
JAMES	30	950	950
FORD	20	3000	3000
MILLER	10	1300	1300

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT ENAME EMPNAME, DEPTNO DEPTID, SAL SALARY, SAL + NVL(COMM,0)
TOTALSALARY
2* FROM EMP
SQL> /
```

EMPNAME	DEPTID	SALARY	TOTALSALARY
SMITH	20	800	800
ALLEN	30	1600	1900
WARD	30	1250	1750
JONES	20	2975	2975
MARTIN	30	1250	2650
BLAKE	30	2850	2850
CLARK	10	2450	2450
SCOTT	20	3000	3000
KING	10	5000	5000
TURNER	30	1500	1500
ADAMS	20	1100	1100

EMPNAME	DEPTID	SALARY	TOTALSALARY
JAMES	30	950	950
FORD	20	3000	3000
MILLER	10	1300	1300

14 rows selected.

```
SQL> SELECT ENAME, 'IS WORKING FOR DEPARTMENT ', DEPTNO
2 FROM EMP;
```

ENAME	'ISWORKINGFORDEPARTMENT'	DEPTNO
SMITH	IS WORKING FOR DEPARTMENT	20
ALLEN	IS WORKING FOR DEPARTMENT	30
WARD	IS WORKING FOR DEPARTMENT	30
JONES	IS WORKING FOR DEPARTMENT	20
MARTIN	IS WORKING FOR DEPARTMENT	30
BLAKE	IS WORKING FOR DEPARTMENT	30
CLARK	IS WORKING FOR DEPARTMENT	10
SCOTT	IS WORKING FOR DEPARTMENT	20
KING	IS WORKING FOR DEPARTMENT	10
TURNER	IS WORKING FOR DEPARTMENT	30
ADAMS	IS WORKING FOR DEPARTMENT	20

ENAME	'ISWORKINGFORDEPARTMENT'	DEPTNO
JAMES	IS WORKING FOR DEPARTMENT	30
FORD	IS WORKING FOR DEPARTMENT	20
MILLER	IS WORKING FOR DEPARTMENT	10

14 rows selected.

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

```
1 SELECT
2 ENAME,
3 'IS WORKING FOR DEPARTMENT ',
4 DEPTNO,
5 ' WITH SALARY OF ',
6 SAL
7* FROM EMP
SQL> /
```

ENAME	'ISWORKINGFORDEPARTMENT'	DEPTNO	'WITHSALARYOF'	SAL
SMITH	IS WORKING FOR DEPARTMENT	20	WITH SALARY OF	800
ALLEN	IS WORKING FOR DEPARTMENT	30	WITH SALARY OF	1600
WARD	IS WORKING FOR DEPARTMENT	30	WITH SALARY OF	1250
JONES	IS WORKING FOR DEPARTMENT	20	WITH SALARY OF	2975
MARTIN	IS WORKING FOR DEPARTMENT	30	WITH SALARY OF	1250
BLAKE	IS WORKING FOR DEPARTMENT	30	WITH SALARY OF	2850
CLARK	IS WORKING FOR DEPARTMENT	10	WITH SALARY OF	2450
SCOTT	IS WORKING FOR DEPARTMENT	20	WITH SALARY OF	3000
KING	IS WORKING FOR DEPARTMENT	10	WITH SALARY OF	5000
TURNER	IS WORKING FOR DEPARTMENT	30	WITH SALARY OF	1500
ADAMS	IS WORKING FOR DEPARTMENT	20	WITH SALARY OF	1100

ENAME	'ISWORKINGFORDEPARTMENT'	DEPTNO	'WITHSALARYOF'	SAL
JAMES	IS WORKING FOR DEPARTMENT	30	WITH SALARY OF	950

FORD	IS WORKING FOR DEPARTMENT	20	WITH SALARY OF	3000
MILLER	IS WORKING FOR DEPARTMENT	10	WITH SALARY OF	1300

14 rows selected.

```
SQL> SELECT
  2  'APPLE' LITERAL01,
  3  'IS' LITERAL02,
  4  'FRUIT' LITERAL03
  5  FROM DUAL;
```

```
LITER LI LITER
-----
APPLE IS FRUIT
```

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

```
  1  SELECT
  2  'APPLE' || 'IS' || 'FRUIT'
  3* FROM DUAL
SQL> /
```

```
'APPLE' || 'IS'
-----
APPLEISFRUIT
```

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

```
  1  SELECT
  2  'APPLE' || ' IS ' || ' FRUIT.'
  3* FROM DUAL
SQL> /
```

```
'APPLE' || 'IS' || '
-----
APPLE IS  FRUIT.
```

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

```
  1  SELECT
  2  'APPLE' || ' IS ' || ' FRUIT.' STATEMENT
  3* FROM DUAL
SQL> /
```

```
STATEMENT
-----
APPLE IS  FRUIT.
```

```
SQL> SELECT ENAME || EMPNO || DEPTNO || MGR || SAL || HIREDATE || COMM || JOB
EMPLOYEEINFO
  2  FROM EMP;
```

EMPLOYEEINFO

```
-----  
-----  
SMITH736920790280017-DEC-80CLERK  
ALLEN7499307698160020-FEB-81300SALESMAN  
WARD7521307698125022-FEB-81500SALESMAN  
JONES7566207839297502-APR-81MANAGER  
MARTIN7654307698125028-SEP-811400SALESMAN  
BLAKE7698307839285001-MAY-81MANAGER  
CLARK7782107839245009-JUN-81MANAGER  
SCOTT7788207566300019-APR-87ANALYST  
KING783910500017-NOV-81PRESIDENT  
TURNER7844307698150008-SEP-810SALESMAN  
ADAMS7876207788110023-MAY-87CLERK
```

EMPLOYEEINFO

```
-----  
-----  
JAMES790030769895003-DEC-81CLERK  
FORD7902207566300003-DEC-81ANALYST  
MILLER7934107782130023-JAN-82CLERK
```

14 rows selected.

SQL> ED
Wrote file afiedt.buf

```
1  SELECT ENAME||' IS WORKING FOR DEPARTMENT '||DEPTNO||' WITH A SALARY  
OF '||SAL EMPLOYEEINFO  
2* FROM EMP  
SQL> /
```

EMPLOYEEINFO

```
-----  
-----  
SMITH IS WORKING FOR DEPARTMENT 20 WITH A SALARY OF 800  
ALLEN IS WORKING FOR DEPARTMENT 30 WITH A SALARY OF 1600  
WARD IS WORKING FOR DEPARTMENT 30 WITH A SALARY OF 1250  
JONES IS WORKING FOR DEPARTMENT 20 WITH A SALARY OF 2975  
MARTIN IS WORKING FOR DEPARTMENT 30 WITH A SALARY OF 1250  
BLAKE IS WORKING FOR DEPARTMENT 30 WITH A SALARY OF 2850  
CLARK IS WORKING FOR DEPARTMENT 10 WITH A SALARY OF 2450  
SCOTT IS WORKING FOR DEPARTMENT 20 WITH A SALARY OF 3000  
KING IS WORKING FOR DEPARTMENT 10 WITH A SALARY OF 5000  
TURNER IS WORKING FOR DEPARTMENT 30 WITH A SALARY OF 1500  
ADAMS IS WORKING FOR DEPARTMENT 20 WITH A SALARY OF 1100
```

EMPLOYEEINFO

```
-----  
-----  
JAMES IS WORKING FOR DEPARTMENT 30 WITH A SALARY OF 950  
FORD IS WORKING FOR DEPARTMENT 20 WITH A SALARY OF 3000  
MILLER IS WORKING FOR DEPARTMENT 10 WITH A SALARY OF 1300
```


14 rows selected.

```
SQL> SELECT
  2  ENAME||''S SALARY IS '||SAL EMPLOYEESAL
  3  FROM EMP;
ERROR:
ORA-01756: quoted string not properly terminated
```

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

```
  1  SELECT
  2  ENAME||''S SALARY IS '||SAL EMPLOYEESAL
  3* FROM EMP
SQL> /
```

EMPLOYEESAL

```
-----
SMITHS SALARY IS 800
ALLENS SALARY IS 1600
WARDS SALARY IS 1250
JONESS SALARY IS 2975
MARTINS SALARY IS 1250
BLAKES SALARY IS 2850
CLARKS SALARY IS 2450
SCOTTS SALARY IS 3000
KINGS SALARY IS 5000
TURNERS SALARY IS 1500
ADAMSS SALARY IS 1100
```

EMPLOYEESAL

```
-----
JAMESS SALARY IS 950
FORDS SALARY IS 3000
MILLERS SALARY IS 1300
```

14 rows selected.

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

```
  1  SELECT
  2  ENAME||''S Salary Is '||SAL EmplyeeSal
  3* FROM EMP
SQL> /
```

EMPLYEESAL

```
-----
SMITH'S Salary Is 800
ALLEN'S Salary Is 1600
WARD'S Salary Is 1250
JONES'S Salary Is 2975
```

MARTIN's Salary Is 1250
BLAKE's Salary Is 2850
CLARK's Salary Is 2450
SCOTT's Salary Is 3000
KING's Salary Is 5000
TURNER's Salary Is 1500
ADAMS's Salary Is 1100

EMPLOYEEESAL

JAMES's Salary Is 950
FORD's Salary Is 3000
MILLER's Salary Is 1300

14 rows selected.

SQL> ed
Wrote file afiedt.buf

```
1  SELECT
2  ENAME||''''s Designation Is '||Job||' Working For Department
' ||Deptno||' With Salary Of '||SAL EmployeeInfo
3* FROM EMP
SQL> /
```

EMPLOYEEINFO

SMITH's Designation Is CLERK Working For Department 20 With Salary Of 800
ALLEN's Designation Is SALESMAN Working For Department 30 With Salary Of
1600
WARD's Designation Is SALESMAN Working For Department 30 With Salary Of
1250
JONES's Designation Is MANAGER Working For Department 20 With Salary Of
2975
MARTIN's Designation Is SALESMAN Working For Department 30 With Salary Of
1250
BLAKE's Designation Is MANAGER Working For Department 30 With Salary Of
2850
CLARK's Designation Is MANAGER Working For Department 10 With Salary Of
2450
SCOTT's Designation Is ANALYST Working For Department 20 With Salary Of
3000
KING's Designation Is PRESIDENT Working For Department 10 With Salary Of
5000
TURNER's Designation Is SALESMAN Working For Department 30 With Salary Of
1500
ADAMS's Designation Is CLERK Working For Department 20 With Salary Of
1100

EMPLOYEEINFO

JAMES's Designation Is CLERK Working For Department 30 With Salary Of 950

FORD's Designation Is ANALYST Working For Department 20 With Salary Of 3000
MILLER's Designation Is CLERK Working For Department 10 With Salary Of 1300

14 rows selected.

```
SQL> SELECT
  2  ENAME||''S BASIC SALARY IS '||SAL||' CALCULATED ANNUALLY AS '||SAL
* 12 AnnualSalary
  3  FROM  EMP:
  4  .
```

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

```
  1  SELECT
  2  ENAME||''S BASIC SALARY IS '||SAL||' CALCULATED ANNUALLY AS '||SAL
* 12 AnnualSalary
  3* FROM  EMP
SQL> /
```

ANNUALSALARY

```
-----
-----
SMITH'S BASIC SALARY IS 800 CALCULATED ANNUALLY AS 9600
ALLEN'S BASIC SALARY IS 1600 CALCULATED ANNUALLY AS 19200
WARD'S BASIC SALARY IS 1250 CALCULATED ANNUALLY AS 15000
JONES'S BASIC SALARY IS 2975 CALCULATED ANNUALLY AS 35700
MARTIN'S BASIC SALARY IS 1250 CALCULATED ANNUALLY AS 15000
BLAKE'S BASIC SALARY IS 2850 CALCULATED ANNUALLY AS 34200
CLARK'S BASIC SALARY IS 2450 CALCULATED ANNUALLY AS 29400
SCOTT'S BASIC SALARY IS 3000 CALCULATED ANNUALLY AS 36000
KING'S BASIC SALARY IS 5000 CALCULATED ANNUALLY AS 60000
TURNER'S BASIC SALARY IS 1500 CALCULATED ANNUALLY AS 18000
ADAMS'S BASIC SALARY IS 1100 CALCULATED ANNUALLY AS 13200
```

ANNUALSALARY

```
-----
-----
JAMES'S BASIC SALARY IS 950 CALCULATED ANNUALLY AS 11400
FORD'S BASIC SALARY IS 3000 CALCULATED ANNUALLY AS 36000
MILLER'S BASIC SALARY IS 1300 CALCULATED ANNUALLY AS 15600
```

14 rows selected.

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

```
  1  SELECT
  2  ENAME||''S BASIC SALARY IS '||SAL||' WITH INCREMENT OF 1000
CALCULATED ANNUALLY AS '||SAL + 1000 AnnualSalary
  3* FROM  EMP
SQL> /
```

```
ENAME||''S BASIC SALARY IS '||SAL||' WITH INCREMENT OF 1000 CALCULATED
ANNUALLY AS '||SAL + 1000 AnnualSalary
```

*

```
ERROR at line 2:
ORA-01722: invalid number
```

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

```
1  SELECT
2  ENAME||''S BASIC SALARY IS '||SAL||' WITH INCREMENT OF 1000
CALCULATED ANNUALLY AS '||(SAL + 1000) AnnualSalary
3* FROM EMP
SQL> /
```

ANNUALSALARY

```
-----
SMITH'S BASIC SALARY IS 800 WITH INCREMENT OF 1000 CALCULATED ANNUALLY AS
1800
ALLEN'S BASIC SALARY IS 1600 WITH INCREMENT OF 1000 CALCULATED ANNUALLY
AS 2600
WARD'S BASIC SALARY IS 1250 WITH INCREMENT OF 1000 CALCULATED ANNUALLY AS
2250
JONES'S BASIC SALARY IS 2975 WITH INCREMENT OF 1000 CALCULATED ANNUALLY
AS 3975
MARTIN'S BASIC SALARY IS 1250 WITH INCREMENT OF 1000 CALCULATED ANNUALLY
AS 2250
BLAKE'S BASIC SALARY IS 2850 WITH INCREMENT OF 1000 CALCULATED ANNUALLY
AS 3850
CLARK'S BASIC SALARY IS 2450 WITH INCREMENT OF 1000 CALCULATED ANNUALLY
AS 3450
SCOTT'S BASIC SALARY IS 3000 WITH INCREMENT OF 1000 CALCULATED ANNUALLY
AS 4000
KING'S BASIC SALARY IS 5000 WITH INCREMENT OF 1000 CALCULATED ANNUALLY AS
6000
TURNER'S BASIC SALARY IS 1500 WITH INCREMENT OF 1000 CALCULATED ANNUALLY
AS 2500
ADAMS'S BASIC SALARY IS 1100 WITH INCREMENT OF 1000 CALCULATED ANNUALLY
AS 2100
```

ANNUALSALARY

```
-----
JAMES'S BASIC SALARY IS 950 WITH INCREMENT OF 1000 CALCULATED ANNUALLY AS
1950
FORD'S BASIC SALARY IS 3000 WITH INCREMENT OF 1000 CALCULATED ANNUALLY AS
4000
MILLER'S BASIC SALARY IS 1300 WITH INCREMENT OF 1000 CALCULATED ANNUALLY
AS 2300
```

14 rows selected.

```
SQL> SELECT ENAME FROM EMP;
```

```
ENAME
```

```
-----
```

```
SMITH  
ALLEN  
WARD  
JONES  
MARTIN  
BLAKE  
CLARK  
SCOTT  
KING  
TURNER  
ADAMS
```

```
ENAME
```

```
-----
```

```
JAMES  
FORD  
MILLER
```

```
14 rows selected.
```

```
SQL> CL SCR
```

```
SQL> SELECT DEPTNO FROM EMP;
```

```
DEPTNO
```

```
-----
```

```
20  
30  
30  
20  
30  
30  
10  
20  
10  
30  
20
```

```
DEPTNO
```

```
-----
```

```
30  
20  
10
```

```
14 rows selected.
```

```
SQL> SELECT ENAME,DEPTNO FROM EMP;
```

```
ENAME
```

```
DEPTNO
```

SMITH	20
ALLEN	30
WARD	30
JONES	20
MARTIN	30
BLAKE	30
CLARK	10
SCOTT	20
KING	10
TURNER	30
ADAMS	20

ENAME	DEPTNO
JAMES	30
FORD	20
MILLER	10

14 rows selected.

SQL> SELECT DISTINCT DEPTNO FROM EMP;

DEPTNO
30
20
10

SQL> SELECT ENAME, JOB FROM EMP;

ENAME	JOB
SMITH	CLERK
ALLEN	SALESMAN
WARD	SALESMAN
JONES	MANAGER
MARTIN	SALESMAN
BLAKE	MANAGER
CLARK	MANAGER
SCOTT	ANALYST
KING	PRESIDENT
TURNER	SALESMAN
ADAMS	CLERK

ENAME	JOB
JAMES	CLERK
FORD	ANALYST
MILLER	CLERK

14 rows selected.

SQL> SELECT DISTINCT JOB FROM EMP;

JOB

CLERK

SALESMAN

PRESIDENT

MANAGER

ANALYST

SQL> SELECT MGR FROM EMP;

7902

7698

7698

7839

7698

7839

7839

7566

7698

7788

7698

7566

7782

14 rows selected.

SQL> SELECT EMPNO, ENAME, MGR FROM EMP;

EMPNO ENAME MGR

7369 SMITH 7902

7499 ALLEN 7698

7521 WARD 7698

7566 JONES 7839

7654 MARTIN 7698

7698 BLAKE 7839

7782 CLARK 7839

7788 SCOTT 7566

7839 KING

7844 TURNER 7698

7876 ADAMS 7788

EMPNO ENAME MGR

7900 JAMES 7698

7902 FORD 7566

7934 MILLER 7782

14 rows selected.

```
SQL> SELECT DISTINCT MGR FROM EMP;
```

MGR
7839
7782
7698
7902
7566
7788

7 rows selected.

```
SQL> SELECT DISTINCT DEPTNO, DISTINCT JOB
2 FROM EMP;
```

```
SELECT DISTINCT DEPTNO, DISTINCT JOB
*

```

ERROR at line 1:

ORA-00936: missing expression

```
SQL> SELECT DEPTNO FROM EMP
2 /
```

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

DEPTNO
30
20
10

14 rows selected.

```
SQL> SELECT JOB FROM EMP;
```

JOB

CLERK
SALESMAN
SALESMAN
MANAGER
SALESMAN
MANAGER
MANAGER
ANALYST
PRESIDENT
SALESMAN
CLERK

JOB

CLERK
ANALYST
CLERK

14 rows selected.

SQL> SELECT DEPTNO, JOB FROM EMP;

DEPTNO	JOB
-----	-----
20	CLERK
30	SALESMAN
30	SALESMAN
20	MANAGER
30	SALESMAN
30	MANAGER
10	MANAGER
20	ANALYST
10	PRESIDENT
30	SALESMAN
20	CLERK

DEPTNO	JOB
-----	-----
30	CLERK
20	ANALYST
10	CLERK

14 rows selected.

SQL> SELECT DISTINCT DEPTNO, JOB FROM EMP;

DEPTNO	JOB
-----	-----
20	CLERK
30	SALESMAN
20	MANAGER
30	CLERK
10	PRESIDENT
30	MANAGER

```
10 CLERK
10 MANAGER
20 ANALYST
```

9 rows selected.

```
SQL> SELECT DEPTNO, DISTINCT JOB FROM EMP;
SELECT DEPTNO, DISTINCT JOB FROM EMP
      *
```

ERROR at line 1:
ORA-00936: missing expression

```
SQL> SELECT UNIQUE DEPTNO FROM EMP;
```

```
DEPTNO
-----
      30
      20
      10
```

```
SQL> SPPOOL OFF
```