

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

SQL> SELECT Ename, Deptno, Sal Job, HireDate
2 FROM Emp;

ENAME	DEPTNO	JOB	HIREDATE
KING	10	5000	17-NOV-81
BLAKE	30	2850	01-MAY-81
CLARK	10	2450	09-JUN-81
JONES	20	2975	02-APR-81
MARTIN	30	1250	28-SEP-81
ALLEN	30	1600	20-FEB-81
TURNER	30	1500	08-SEP-81
JAMES	30	950	03-DEC-81
WARD	30	1250	22-FEB-81
FORD	20	3000	03-DEC-81
SMITH	20	800	17-DEC-80
SCOTT	20	3000	09-DEC-82
ADAMS	20	1100	12-JAN-83
MILLER	10	1300	23-JAN-82

14 rows selected.

SQL> SELECT Ename, Deptno, Sal ABC, HireDate
2 FROM Emp;

ENAME	DEPTNO	ABC	HIREDATE
KING	10	5000	17-NOV-81
BLAKE	30	2850	01-MAY-81
CLARK	10	2450	09-JUN-81
JONES	20	2975	02-APR-81
MARTIN	30	1250	28-SEP-81
ALLEN	30	1600	20-FEB-81
TURNER	30	1500	08-SEP-81
JAMES	30	950	03-DEC-81
WARD	30	1250	22-FEB-81
FORD	20	3000	03-DEC-81
SMITH	20	800	17-DEC-80
SCOTT	20	3000	09-DEC-82
ADAMS	20	1100	12-JAN-83
MILLER	10	1300	23-JAN-82

14 rows selected.

SQL> cl scr

SQL> SELECT
2 Ename EmpName,
3 Sal Salary,
4 HireDate JoinDate,

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```
5      Job
6 FROM Emp;
```

EMPNAME	SALARY	JOINDATE	JOB
KING	5000	17-NOV-81	PRESIDENT
BLAKE	2850	01-MAY-81	MANAGER
CLARK	2450	09-JUN-81	MANAGER
JONES	2975	02-APR-81	MANAGER
MARTIN	1250	28-SEP-81	SALESMAN
ALLEN	1600	20-FEB-81	SALESMAN
TURNER	1500	08-SEP-81	SALESMAN
JAMES	950	03-DEC-81	CLERK
WARD	1250	22-FEB-81	SALESMAN
FORD	3000	03-DEC-81	ANALYST
SMITH	800	17-DEC-80	CLERK
SCOTT	3000	09-DEC-82	ANALYST
ADAMS	1100	12-JAN-83	CLERK
MILLER	1300	23-JAN-82	CLERK

14 rows selected.

```
SQL> SELECT
2   Empno AS EmpID,
3   Ename AS EmpName,
4   Sal AS Salary
5 FROM Emp;
```

EMPID	EMPNAME	SALARY
7839	KING	5000
7698	BLAKE	2850
7782	CLARK	2450
7566	JONES	2975
7654	MARTIN	1250
7499	ALLEN	1600
7844	TURNER	1500
7900	JAMES	950
7521	WARD	1250
7902	FORD	3000
7369	SMITH	800
7788	SCOTT	3000
7876	ADAMS	1100
7934	MILLER	1300

14 rows selected.

```
SQL> SELECT
2   Ename AS EmpName,
3   Deptno AS DeptID,
4   Job,
5   Sal AS Salary,
```

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```
6 Comm AS Commission,
7 Sal + NVL(Comm, 0) AS "Total Salary"
8 FROM Emp;
```

EMPNAME	DEPTID	JOB	SALARY	COMMISSION	Total Salary
KING	10	PRESIDENT	5000		5000
BLAKE	30	MANAGER	2850		2850
CLARK	10	MANAGER	2450		2450
JONES	20	MANAGER	2975		2975
MARTIN	30	SALESMAN	1250	1400	2650
ALLEN	30	SALESMAN	1600	300	1900
TURNER	30	SALESMAN	1500	0	1500
JAMES	30	CLERK	950		950
WARD	30	SALESMAN	1250	500	1750
FORD	20	ANALYST	3000		3000
SMITH	20	CLERK	800		800
SCOTT	20	ANALYST	3000		3000
ADAMS	20	CLERK	1100		1100
MILLER	10	CLERK	1300		1300

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT
2  Ename, ' is Working in Department ', Deptno
3  FROM Emp;
```

ENAME	'ISWORKINGINDEPARTMENT'	DEPTNO
KING	is Working in Department	10
BLAKE	is Working in Department	30
CLARK	is Working in Department	10
JONES	is Working in Department	20
MARTIN	is Working in Department	30
ALLEN	is Working in Department	30
TURNER	is Working in Department	30
JAMES	is Working in Department	30
WARD	is Working in Department	30
FORD	is Working in Department	20
SMITH	is Working in Department	20
SCOTT	is Working in Department	20
ADAMS	is Working in Department	20
MILLER	is Working in Department	10

14 rows selected.

```
SQL> ED
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```

```
1  SELECT
```

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```
2 Ename EmpName,
3 ' is Working in Department ' Literal,
4 Deptno DeptID
5* FROM Emp
SQL> /
```

EMPNAME	LITERAL	DEPTID
KING	is Working in Department	10
BLAKE	is Working in Department	30
CLARK	is Working in Department	10
JONES	is Working in Department	20
MARTIN	is Working in Department	30
ALLEN	is Working in Department	30
TURNER	is Working in Department	30
JAMES	is Working in Department	30
WARD	is Working in Department	30
FORD	is Working in Department	20
SMITH	is Working in Department	20
SCOTT	is Working in Department	20
ADAMS	is Working in Department	20
MILLER	is Working in Department	10

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT
2 'Department Number ',Deptno, ' is Named As ', Dname, ' And is
Located At ', Loc
3 FROM Dept;
```

'DEPARTMENTNUMBER'	DEPTNO	'ISNAMEDAS'	DNAME
'ANDISLOCATEDAT'	LOC		
Department Number	10	is Named As	ACCOUNTING
Located At NEW YORK			And is
Department Number	20	is Named As	RESEARCH
Located At DALLAS			And is
Department Number	30	is Named As	SALES
Located At CHICAGO			And is
Department Number	40	is Named As	OPERATIONS
Located At BOSTON			And is

```
SQL> cl scr
```

```
SQL> SELECT
2 Ename, ' is Designated As ', Job, ' With Salary As ', Sal, ' Working
in Department ', Deptno
3 FROM Emp;
```

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```
-----
ENAME      'ISDESIGNATEDAS'  JOB      'WITHSALARYAS'      SAL
'WORKINGINDEPARTMENT'      DEPTNO
-----
KING        is Designated As  PRESIDENT With Salary As      5000
Working in Department        10
BLAKE       is Designated As  MANAGER   With Salary As      2850
Working in Department        30
CLARK       is Designated As  MANAGER   With Salary As      2450
Working in Department        10
JONES       is Designated As  MANAGER   With Salary As      2975
Working in Department        20
MARTIN      is Designated As  SALESMAN  With Salary As      1250
Working in Department        30
ALLEN       is Designated As  SALESMAN  With Salary As      1600
Working in Department        30
TURNER      is Designated As  SALESMAN  With Salary As      1500
Working in Department        30
JAMES       is Designated As  CLERK     With Salary As       950
Working in Department        30
WARD        is Designated As  SALESMAN  With Salary As      1250
Working in Department        30
FORD        is Designated As  ANALYST   With Salary As      3000
Working in Department        20
SMITH       is Designated As  CLERK     With Salary As       800
Working in Department        20
SCOTT       is Designated As  ANALYST   With Salary As      3000
Working in Department        20
ADAMS       is Designated As  CLERK     With Salary As      1100
Working in Department        20
MILLER      is Designated As  CLERK     With Salary As      1300
Working in Department        10
-----
```

14 rows selected.

SQL> cl scr

```
SQL> SELECT
  2   Deptno||Dname||Loc MyDepartments
  3 FROM Dept;
```

MYDEPARTMENTS

```
-----
10ACCOUNTINGNEW YORK
20RESEARCHDALLAS
30SALESCHICAGO
40OPERATIONSBOSTON
-----
```

```
SQL> SELECT
  2   Empno||Ename||Job||Deptno||MGR||Sal||Comm||HireDate Employee
  3 FROM Emp;
```

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EMPLOYEE

```
-----
7839KINGPRESIDENT10500017-NOV-81
7698BLAKEMANAGER307839285001-MAY-81
7782CLARKMANAGER107839245009-JUN-81
7566JONESMANAGER207839297502-APR-81
7654MARTINSALESMAN3076981250140028-SEP-81
7499ALLENSALESMAN307698160030020-FEB-81
7844TURNERSALESMAN3076981500008-SEP-81
7900JAMESCLERK30769895003-DEC-81
7521WARDSALESMAN307698125050022-FEB-81
7902FORDANALYST207566300003-DEC-81
7369SMITHCLERK20790280017-DEC-80
7788SCOTTANALYST207566300009-DEC-82
7876ADAMSCLERK207788110012-JAN-83
7934MILLERCLERK107782130023-JAN-82
```

14 rows selected.

SQL> cl scr

```
SQL> SELECT
  2   Ename||' Works For Department '||Deptno||' As '||Job Employee
  3   FROM Emp;
```

EMPLOYEE

```
-----
KING Works For Department 10 As PRESIDENT
BLAKE Works For Department 30 As MANAGER
CLARK Works For Department 10 As MANAGER
JONES Works For Department 20 As MANAGER
MARTIN Works For Department 30 As SALESMAN
ALLEN Works For Department 30 As SALESMAN
TURNER Works For Department 30 As SALESMAN
JAMES Works For Department 30 As CLERK
WARD Works For Department 30 As SALESMAN
FORD Works For Department 20 As ANALYST
SMITH Works For Department 20 As CLERK
SCOTT Works For Department 20 As ANALYST
ADAMS Works For Department 20 As CLERK
MILLER Works For Department 10 As CLERK
```

14 rows selected.

SQL> cl scr

```
SQL> SELECT
  2   'Department Number '||Deptno||' is Called As '||Dname||', And is
  3   Located At '||Loc Departments
  3   FROM Dept;
```

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DEPARTMENTS

Department Number 10 is Called As ACCOUNTING, And is Located At NEW YORK
Department Number 20 is Called As RESEARCH, And is Located At DALLAS
Department Number 30 is Called As SALES, And is Located At CHICAGO
Department Number 40 is Called As OPERATIONS, And is Located At BOSTON

SQL> cl scr

SQL> SELECT
2 Ename||''s Salary is Fixed As '||Sal||' With Annual Cost of '||Sal
* 12 Employees
3 FROM Emp;

EMPLOYEES

KING's Salary is Fixed As 5000 With Annual Cost of 60000
BLAKE's Salary is Fixed As 2850 With Annual Cost of 34200
CLARK's Salary is Fixed As 2450 With Annual Cost of 29400
JONES's Salary is Fixed As 2975 With Annual Cost of 35700
MARTIN's Salary is Fixed As 1250 With Annual Cost of 15000
ALLEN's Salary is Fixed As 1600 With Annual Cost of 19200
TURNER's Salary is Fixed As 1500 With Annual Cost of 18000
JAMES's Salary is Fixed As 950 With Annual Cost of 11400
WARD's Salary is Fixed As 1250 With Annual Cost of 15000
FORD's Salary is Fixed As 3000 With Annual Cost of 36000
SMITH's Salary is Fixed As 800 With Annual Cost of 9600
SCOTT's Salary is Fixed As 3000 With Annual Cost of 36000
ADAMS's Salary is Fixed As 1100 With Annual Cost of 13200
MILLER's Salary is Fixed As 1300 With Annual Cost of 15600

14 rows selected.

SQL> SELECT
2 Ename||''s Basic Salary is '||Sal||' With Fixed Comission of
'||NVL(Comm, 0)||' With Gross Salary of '||Sal + NVL(Comm, 0) "Employees
And Total Salaaries"
3 FROM Emp;
Ename||''s Basic Salary is '||Sal||' With Fixed Comission of
'||NVL(Comm, 0)||' With Gross Salary of '||Sal + NVL(Comm, 0) "Employees
And Total Salaaries"

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

SQL> ED
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```
1  SELECT Ename||''''s Basic Salary is '||Sal||' With Fixed Comission of
'||NVL(Comm, 0)||' With Gross Salary of '||(Sal + NVL(Comm, 0))
"Employees And Total Salaaries"
2* FROM Emp
SQL> /
```

Employees And Total Salaaries

```
KING's Basic Salary is 5000 With Fixed Comission of 0 With Gross Salary
of 5000
BLAKE's Basic Salary is 2850 With Fixed Comission of 0 With Gross Salary
of 2850
CLARK's Basic Salary is 2450 With Fixed Comission of 0 With Gross Salary
of 2450
JONES's Basic Salary is 2975 With Fixed Comission of 0 With Gross Salary
of 2975
MARTIN's Basic Salary is 1250 With Fixed Comission of 1400 With Gross
Salary of 2650
ALLEN's Basic Salary is 1600 With Fixed Comission of 300 With Gross
Salary of 1900
TURNER's Basic Salary is 1500 With Fixed Comission of 0 With Gross Salary
of 1500
JAMES's Basic Salary is 950 With Fixed Comission of 0 With Gross Salary
of 950
WARD's Basic Salary is 1250 With Fixed Comission of 500 With Gross Salary
of 1750
FORD's Basic Salary is 3000 With Fixed Comission of 0 With Gross Salary
of 3000
SMITH's Basic Salary is 800 With Fixed Comission of 0 With Gross Salary
of 800
SCOTT's Basic Salary is 3000 With Fixed Comission of 0 With Gross Salary
of 3000
ADAMS's Basic Salary is 1100 With Fixed Comission of 0 With Gross Salary
of 1100
MILLER's Basic Salary is 1300 With Fixed Comission of 0 With Gross Salary
of 1300
```

14 rows selected.

SQL> cl scr

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

RESULT

170

SQL> ED

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```
1  SELECT
2  'The Sum of '||25||' And '||45||' is : '||(25 + 45) Result
3* FROM DUAL
SQL> /
```

RESULT

The Sum of 25 And 45 is : 70

```
SQL> SELECT 'Apple is A Fruit' Fruit
2  FROM DUAL;
```

FRUIT

Apple is A Fruit

```
SQL> --Apple's Are Fruits
```

```
SQL>
```

```
SQL> SELECT
2  'Apple's Are Fruits' Fruit
3  FROM DUAL;
```

ERROR:

ORA-01756: quoted string not properly terminated

```
SQL> SELECT
2  'Apple''s Are Fruits' Fruit
3  FROM DUAL;
```

FRUIT

Apple's Are Fruits

```
SQL> SELECT
2  Ename, Deptno, 125, Job
3  FROM Emp;
```

ENAME	DEPTNO	125	JOB
KING	10	125	PRESIDENT
BLAKE	30	125	MANAGER
CLARK	10	125	MANAGER
JONES	20	125	MANAGER
MARTIN	30	125	SALESMAN
ALLEN	30	125	SALESMAN
TURNER	30	125	SALESMAN
JAMES	30	125	CLERK
WARD	30	125	SALESMAN
FORD	20	125	ANALYST
SMITH	20	125	CLERK

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```
SCOTT          20          125 ANALYST
ADAMS          20          125 CLERK
MILLER         10          125 CLERK
```

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT
      2  Ename
      3  FROM Emp;
```

```
ENAME
```

```
-----
```

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

14 rows selected.

```
SQL> SELECT Deptno FROM Emp;
```

```
DEPTNO
```

```
-----
```

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

14 rows selected.

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```
SQL> SELECT Ename, Deptno FROM Emp;
```

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

14 rows selected.

```
SQL> SELECT Job  
2 FROM Emp;
```

JOB
PRESIDENT
MANAGER
MANAGER
MANAGER
SALESMAN
SALESMAN
SALESMAN
CLERK
SALESMAN
ANALYST
CLERK
ANALYST
CLERK
CLERK

14 rows selected.

```
SQL> SELECT Ename, Job  
2 FROM Emp;
```

ENAME	JOB
KING	PRESIDENT
BLAKE	MANAGER
CLARK	MANAGER
JONES	MANAGER

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```
MARTIN      SALESMAN
ALLEN       SALESMAN
TURNER      SALESMAN
JAMES       CLERK
WARD        SALESMAN
FORD        ANALYST
SMITH       CLERK
SCOTT       ANALYST
ADAMS       CLERK
MILLER      CLERK
```

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT Deptno FROM Emp;
```

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

14 rows selected.

```
SQL> SELECT DISTINCT Deptno FROM Emp;
```

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

```
SQL> SELECT Job
      2 FROM Emp;
```

```
JOB
-----
PRESIDENT
MANAGER
MANAGER
```

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```
MANAGER
SALESMAN
SALESMAN
SALESMAN
CLERK
SALESMAN
ANALYST
CLERK
ANALYST
CLERK
CLERK
```

14 rows selected.

```
SQL> SELECT DISTINCT Job FROM Emp;
```

```
JOB
-----
SALESMAN
CLERK
PRESIDENT
MANAGER
ANALYST
```

```
SQL> cl scr
```

```
SQL> SELECT MGR FROM Emp;
```

```
      MGR
-----
      7839
      7839
      7839
      7698
      7698
      7698
      7698
      7698
      7698
      7566
      7902
      7566
      7788
      7782
```

14 rows selected.

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

```
      MGR
-----
```

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7839
7782
7698
7902
7566
7788

7 rows selected.

```
SQL> SELECT Deptno, DISTINCT Job
      2 FROM Emp;
SELECT Deptno, DISTINCT Job
      *
```

ERROR at line 1:
ORA-00936: missing expression

```
SQL> SELECT Empno FROM Emp;
```

```
      EMPNO
-----
      7369
      7499
      7521
      7566
      7654
      7698
      7782
      7788
      7839
      7844
      7876
      7900
      7902
      7934
```

14 rows selected.

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

```
      1* SELECT DISTINCT Empno FROM Emp
SQL> /
```

```
      EMPNO
-----
      7369
      7499
      7521
      7566
      7654
      7698
```

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7782
7788
7839
7844
7876
7900
7902
7934

14 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> cl scr

SQL> SELECT Deptno, Job FROM Emp;

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

14 rows selected.

```
SQL> SELECT DISTINCT Deptno, Job FROM Emp
      2 ORDER BY Deptno;
```

DEPTNO	JOB
10	CLERK
10	MANAGER
10	PRESIDENT
20	ANALYST
20	CLERK

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```
20 MANAGER
30 CLERK
30 MANAGER
30 SALESMAN
```

9 rows selected.

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

```
1  SELECT DISTINCT Job, Deptno FROM Emp
2*  ORDER BY Job
SQL> /
```

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

9 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT UNIQUE Deptno FROM Emp;
```

DEPTNO
30
20
10

```
SQL> --WHERE Sal = 3000
SQL> --WHERE 'APPLE' = 'Apple'
SQL> --WHERE Sal * 12 > 25000
SQL> --WHERE Ename = UPPER('smith')
SQL> --WHERE Sal < Comm
SQL> --WHERE HireDate = '03-DEC-81'
SQL> cl scr
```

```
SQL> SELECT * FROM Emp;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
COMM	DEPTNO				

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```
10      7839 KING      PRESIDENT      17-NOV-81      5000
30      7698 BLAKE      MANAGER      7839 01-MAY-81      2850
10      7782 CLARK      MANAGER      7839 09-JUN-81      2450
20      7566 JONES      MANAGER      7839 02-APR-81      2975
1400    7654 MARTIN      SALESMAN      7698 28-SEP-81      1250
300     30
300     7499 ALLEN      SALESMAN      7698 20-FEB-81      1600
0       30
0       7844 TURNER      SALESMAN      7698 08-SEP-81      1500
30      7900 JAMES      CLERK      7698 03-DEC-81      950
500     7521 WARD      SALESMAN      7698 22-FEB-81      1250
20      7902 FORD      ANALYST      7566 03-DEC-81      3000
20      7369 SMITH      CLERK      7902 17-DEC-80      800
20      7788 SCOTT      ANALYST      7566 09-DEC-82      3000
20      7876 ADAMS      CLERK      7788 12-JAN-83      1100
20      7934 MILLER      CLERK      7782 23-JAN-82      1300
```

14 rows selected.

```
SQL> SELECT
2   Ename, Deptno, Job
3 FROM Emp
4 WHERE Job = 'CLERK';
```

ENAME	DEPTNO	JOB
JAMES	30	CLERK
SMITH	20	CLERK
ADAMS	20	CLERK
MILLER	10	CLERK

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

```
1  SELECT Ename, Deptno
2  FROM Emp
3* WHERE Job = 'CLERK'
SQL> /
```

ENAME	DEPTNO
-------	--------

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```
-----
JAMES          30
SMITH          20
ADAMS          20
MILLER         10
```

```
SQL> SELECT Ename, Sal, Job, Deptno
2  FROM Emp
3  WHERE Deptno = 30;
```

```
ENAME          SAL JOB          DEPTNO
-----
BLAKE          2850 MANAGER      30
MARTIN         1250 SALESMAN     30
ALLEN          1600 SALESMAN     30
TURNER         1500 SALESMAN     30
JAMES          950  CLERK        30
WARD           1250 SALESMAN     30
```

6 rows selected.

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

```
1  SELECT Ename, Sal, Job
2  FROM Emp
3* WHERE Deptno = 30
SQL> /
```

```
ENAME          SAL JOB          DEPTNO
-----
BLAKE          2850 MANAGER      30
MARTIN         1250 SALESMAN     30
ALLEN          1600 SALESMAN     30
TURNER         1500 SALESMAN     30
JAMES          950  CLERK        30
WARD           1250 SALESMAN     30
```

6 rows selected.

```
SQL> SELECT Ename, Deptno, Sal, HireDate
2  FROM Emp
3  WHERE HireDate = '03-DEC-81';
```

```
ENAME          DEPTNO          SAL HIREDATE
-----
JAMES          30              950 03-DEC-81
FORD           20             3000 03-DEC-81
```

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

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```
1 SELECT Ename, Deptno, Sal, HireDate
2 FROM Emp
3* WHERE HireDate = '03-DEC-1981'
SQL> /
```

ENAME	DEPTNO	SAL	HIREDATE
JAMES	30	950	03-DEC-81
FORD	20	3000	03-DEC-81

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

```
1 SELECT Ename, Deptno, Sal, HireDate
2 FROM Emp
3* WHERE HireDate = '03-DEC-2081'
SQL> /
```

no rows selected

```
SQL> SELECT
2 Ename, Deptno, Job, Sal
3 FROM Emp
4 WHERE Sal >= 1600;
```

ENAME	DEPTNO	JOB	SAL
KING	10	PRESIDENT	5000
BLAKE	30	MANAGER	2850
CLARK	10	MANAGER	2450
JONES	20	MANAGER	2975
ALLEN	30	SALESMAN	1600
FORD	20	ANALYST	3000
SCOTT	20	ANALYST	3000

7 rows selected.

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

```
1 SELECT
2 Ename, Deptno, Job, Sal
3 FROM Emp
4* WHERE Sal < 1600
SQL> /
```

ENAME	DEPTNO	JOB	SAL
MARTIN	30	SALESMAN	1250
TURNER	30	SALESMAN	1500
JAMES	30	CLERK	950
WARD	30	SALESMAN	1250

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```
SMITH          20 CLERK          800
ADAMS          20 CLERK         1100
MILLER         10 CLERK         1300
```

7 rows selected.

SQL> cl scr

```
SQL> SELECT Ename, Deptno, Sal, Job
2  FROM Emp
3  WHERE Deptno <> 20;
```

ENAME	DEPTNO	SAL	JOB
KING	10	5000	PRESIDENT
BLAKE	30	2850	MANAGER
CLARK	10	2450	MANAGER
MARTIN	30	1250	SALESMAN
ALLEN	30	1600	SALESMAN
TURNER	30	1500	SALESMAN
JAMES	30	950	CLERK
WARD	30	1250	SALESMAN
MILLER	10	1300	CLERK

9 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Ename, Deptno, Sal, Job
2  FROM Emp
3* WHERE Job <> 'MANAGER'
SQL> /
```

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

11 rows selected.

SQL> cl scr

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```
SQL> SELECT Ename, Deptno, Sal, Comm, Sal + NVL(Comm, 0) TotSal
2 FROM Emp;
```

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

14 rows selected.

```
SQL> SELECT Ename, Deptno, Sal, Comm, Sal + NVL(Comm, 0) TotSal
2 FROM Emp
3 WHERE Sal + NVL(Comm, 0) >= 1600;
```

ENAME	DEPTNO	SAL	COMM	TOTSAL
KING	10	5000		5000
BLAKE	30	2850		2850
CLARK	10	2450		2450
JONES	20	2975		2975
MARTIN	30	1250	1400	2650
ALLEN	30	1600	300	1900
WARD	30	1250	500	1750
FORD	20	3000		3000
SCOTT	20	3000		3000

9 rows selected.

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

```
1 SELECT Ename, Deptno, Sal, Sal * 12 AnnSal
2 FROM Emp
3* WHERE Sal * 12 >= 25000
SQL> /
```

ENAME	DEPTNO	SAL	ANNSAL
KING	10	5000	60000
BLAKE	30	2850	34200

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CLARK	10	2450	29400
JONES	20	2975	35700
FORD	20	3000	36000
SCOTT	20	3000	36000

6 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Deptno, Sal, Comm, Sal + NVL(Comm, 0) TotSal
2 FROM Emp
3* WHERE TotSal >= 1600
SQL> /
```

WHERE TotSal >= 1600

*

ERROR at line 3:

ORA-00904: "TOTSAL": invalid identifier

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Deptno, Sal, Sal * 12 AnnSal
2 FROM Emp
3* WHERE AnnSal >= 25000
SQL> /
```

WHERE AnnSal >= 25000

*

ERROR at line 3:

ORA-00904: "ANNSAL": invalid identifier

SQL> SPOOL OFF

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