```
SQL> cl scr

SQL> SELECT
  2  1234567890 Num1,
  3  12345678901 Num2
  4  FROM DUAL;

      NUM1       NUM2
---------- ----------
1234567890 1.2346E+10

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  TO_CHAR(1234567890, 9.9EEEE') Num1,
  3  12345678901 Num2
  4* FROM DUAL
SQL> /
ERROR:
ORA-01756: quoted string not properly terminated


SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  TO_CHAR(1234567890, '9.9EEEE') Num1,
  3  12345678901 Num2
  4* FROM DUAL
SQL> /

NUM1            NUM2
--------- ----------
   1.2E+09 1.2346E+10

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  TO_CHAR(1234567890, '9.9999EEEE') Num1,
  3  12345678901 Num2
  4* FROM DUAL
SQL> /

NUM1              NUM2
--------- ----------
 1.2346E+09 1.2346E+10

SQL> cl scr

SQL> SELECT
  2  '2,415.65' Num1,
  3  '4,612.35' Num2,
  4  '2,415.65' + '4,612.35' Result
  5  FROM DUAL;
'2,415.65' + '4,612.35' Result
*
```

```
ERROR at line 4:
ORA-01722: invalid number


SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  '2,415.65' Num1,
  3  '4,612.35' Num2,
  4  TO_CHAR(2415.65 + 4612.35, '9G999D99') Result
  5* FROM DUAL
SQL> /

NUM1     NUM2      RESULT
-------- -------- ---------
2,415.65 4,612.35  7,028.00

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  '2,415.65' Num1,
  3  '4,612.35' Num2,
  4  TO_CHAR(2415.65 + 4612.35, '9G9G9G9D99') Result
  5* FROM DUAL
SQL> /

NUM1     NUM2      RESULT
-------- -------- -----------
2,415.65 4,612.35  7,0,2,8.00

SQL> cl scr

SQL> SELECT
  2  Ename, TO_CHAR(Sal, '9G999D99') Sal,
  3  TO_CHAR(Comm, '9G999D99') Comm,
  4  TO_CHAR(Sal + NVL(Comm, 0), '9G999D99') TotSal
  5  FROM Emp;

ENAME        SAL       COMM      TOTSAL
---------- --------- --------- ---------
KING        5,000.00             5,000.00
BLAKE       2,850.00             2,850.00
CLARK       2,450.00             2,450.00
JONES       2,975.00             2,975.00
MARTIN      1,250.00  1,400.00   2,650.00
ALLEN       1,600.00    300.00   1,900.00
TURNER      1,500.00      .00   1,500.00
JAMES         950.00               950.00
WARD        1,250.00    500.00   1,750.00
FORD        3,000.00             3,000.00
SMITH         800.00               800.00
SCOTT       3,000.00             3,000.00
ADAMS       1,100.00             1,100.00
MILLER      1,300.00             1,300.00

14 rows selected.
```

```
SQL> cl scr

SQL> SELECT
  2  '3,163.35$' Num1,
  3  '2,734.65$' Num2,
  4  TO_CHAR(3163.35 + 2734.65, '9G999D99L') Result
  5  FROM DUAL;

NUM1      NUM2       RESULT
--------- --------- -------------------
3,163.35$ 2,734.65$          5,898.00$

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  '3,163.35$' Num1,
  3  '2,734.65$' Num2,
  4  TO_CHAR(3163.35 + 2734.65, 'L9G999D99') Result
  5* FROM DUAL
SQL> /

NUM1      NUM2       RESULT
--------- --------- -------------------
3,163.35$ 2,734.65$          $5,898.00

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  '3,163.35INR' Num1,
  3  '2,734.65INR' Num2,
  4  TO_CHAR(3163.35 + 2734.65, '9G999D99L') Result
  5* FROM DUAL
SQL> /

NUM1        NUM2        RESULT
----------- ----------- -------------------
3,163.35INR 2,734.65INR          5,898.00$

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  '3,163.35INR' Num1,
  3  '2,734.65INR' Num2,
  4  TO_CHAR(3163.35 + 2734.65, '9G999D99L', 'NLS_CURRENCY = INR') Result
  5* FROM DUAL
SQL> /

NUM1        NUM2        RESULT
----------- ----------- -------------------
3,163.35INR 2,734.65INR        5,898.00INR

SQL> cl scr

SQL> SELECT
```

```
  2  Ename,
  3  TO_CHAR(Sal, '9G999D99L') Sal,
  4  TO_CHAR(Comm, '9G999D99L') Comm,
  5  TO_CHAR(Sal + NVL(Comm, 0), '9G999D99L') TotSal
  6  FROM Emp;

ENAME      SAL                COMM               TOTSAL
---------- ------------------ ------------------ ------------------
KING                5,000.00$                           5,000.00$
BLAKE               2,850.00$                           2,850.00$
CLARK               2,450.00$                           2,450.00$
JONES               2,975.00$                           2,975.00$
MARTIN              1,250.00$          1,400.00$        2,650.00$
ALLEN               1,600.00$            300.00$        1,900.00$
TURNER              1,500.00$              .00$        1,500.00$
JAMES                 950.00$                             950.00$
WARD                1,250.00$            500.00$        1,750.00$
FORD                3,000.00$                           3,000.00$
SMITH                 800.00$                             800.00$
SCOTT               3,000.00$                           3,000.00$
ADAMS               1,100.00$                           1,100.00$
MILLER              1,300.00$                           1,300.00$

14 rows selected.

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  Ename,
  3  TO_CHAR(Sal, '9G999D99L', 'NLS_CURRENCY = INR') Sal,
  4  TO_CHAR(Comm, '9G999D99L', 'NLS_CURRENCY = INR') Comm,
  5  TO_CHAR(Sal + NVL(Comm, 0), '9G999D99L', 'NLS_CURRENCY = INR')
TotSal
  6* FROM Emp
SQL> /

ENAME      SAL                COMM               TOTSAL
---------- ------------------ ------------------ ------------------
KING                5,000.00INR                         5,000.00INR
BLAKE               2,850.00INR                         2,850.00INR
CLARK               2,450.00INR                         2,450.00INR
JONES               2,975.00INR                         2,975.00INR
MARTIN              1,250.00INR        1,400.00INR      2,650.00INR
ALLEN               1,600.00INR          300.00INR      1,900.00INR
TURNER              1,500.00INR            .00INR      1,500.00INR
JAMES                 950.00INR                           950.00INR
WARD                1,250.00INR          500.00INR      1,750.00INR
FORD                3,000.00INR                         3,000.00INR
SMITH                 800.00INR                           800.00INR
SCOTT               3,000.00INR                         3,000.00INR
ADAMS               1,100.00INR                         1,100.00INR
MILLER              1,300.00INR                         1,300.00INR

14 rows selected.

SQL> cl scr
```

```
SQL> SELECT
  2  Ename,
  3  Sal,
  4  Comm,
  5  Sal - Comm Diff
  6  FROM Emp
  7  WHERE Comm IS NOT NULL;

ENAME             SAL       COMM       DIFF
---------- ---------- ---------- ----------
MARTIN           1250       1400       -150
ALLEN            1600        300       1300
TURNER           1500          0       1500
WARD             1250        500        750

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  Ename,
  3  TO_CHAR(Sal, '9G999D99') Sal,
  4  TO_CHAR(Comm, '9G999D99') Comm,
  5  TO_CHAR(Sal - Comm, '9G999D99MI') Diff
  6  FROM Emp
  7* WHERE Comm IS NOT NULL
SQL> /

ENAME      SAL       COMM       DIFF
---------- --------- --------- ---------
MARTIN      1,250.00  1,400.00   150.00-
ALLEN       1,600.00    300.00 1,300.00
TURNER      1,500.00       .00 1,500.00
WARD        1,250.00    500.00   750.00

SQL> cl scr

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  Ename,
  3  TO_CHAR(Sal, '9G999D99') Sal,
  4  TO_CHAR(Comm, '9G999D99') Comm,
  5  TO_CHAR(Sal - Comm, '9G999D99PR') Diff
  6  FROM Emp
  7* WHERE Comm IS NOT NULL
SQL> /

ENAME      SAL       COMM       DIFF
---------- --------- --------- ----------
MARTIN      1,250.00  1,400.00   <150.00>
ALLEN       1,600.00    300.00 1,300.00
TURNER      1,500.00       .00 1,500.00
WARD        1,250.00    500.00   750.00

SQL> ED
Wrote file afiedt.buf
```

```
  1  SELECT
  2  Ename,
  3  TO_CHAR(Sal, '9G999D99') Sal,
  4  TO_CHAR(Comm, '9G999D99') Comm,
  5  TO_CHAR(Sal - Comm, '9G999D99PT') Diff
  6  FROM Emp
  7* WHERE Comm IS NOT NULL
SQL> /

ENAME        SAL        COMM        DIFF
---------- --------- --------- ----------
MARTIN      1,250.00  1,400.00    (150.00)
ALLEN       1,600.00    300.00   1,300.00
TURNER      1,500.00       .00   1,500.00
WARD        1,250.00    500.00     750.00

SQL> cl scr

SQL> SELECT
  2  'The Roman Number of Decimal '||&GGiveNum01||' is
'||TO_CHAR(&GiveNum02, 'RN') Deci2Roman
  3  FROM DUAL;
Enter value for ggivenum01: 8
Enter value for givenum02: 8

DECI2ROMAN
-------------------------------------------------
The Roman Number of Decimal 8 is          VIII

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'The Roman Number of Decimal '||&GGiveNum01||' is
'||TRIM(TO_CHAR(&GiveNum02, 'rn')) Deci2Roman
  3* FROM DUAL
SQL> /
Enter value for ggivenum01: 8
Enter value for givenum02: 8

DECI2ROMAN
-------------------------------------------------
The Roman Number of Decimal 8 is viii

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'The Roman Number of Decimal '||&GGiveNum01||' is
'||TRIM(TO_CHAR(&GiveNum02, 'RN')) Deci2Roman
  3* FROM DUAL
SQL> /
Enter value for ggivenum01: 2323
Enter value for givenum02: 2323

DECI2ROMAN
-----------------------------------------------------
The Roman Number of Decimal 2323 is MMCCCXXIII
```

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

....

```
SQL> /
Enter value for ggivenum01: 3234
Enter value for givenum02: 3234

DECI2ROMAN
-------------------------------------------------------
The Roman Number of Decimal 3234 is MMMCCXXXIV

SQL> /
Enter value for ggivenum01: 3999
Enter value for givenum02: 3999

DECI2ROMAN
-------------------------------------------------------
The Roman Number of Decimal 3999 is MMMCMXCIX

SQL> /
Enter value for ggivenum01: 4000
Enter value for givenum02: 4000

DECI2ROMAN
-------------------------------------------------------
The Roman Number of Decimal 4000 is ##############

SQL> cl scr

SQL> SELECT
  2  Ename,
  3  TO_CHAR(Sal, 9G999D99') Sal,
  4  TO_CHAR(Comm, '9G999D99') Comm,
  5  TO_CHAR(Sal - Comm, '9G999D99S') Diff
  6  FROM Emp
  7  WHERE Comm IS NOT NULL;
ERROR:
ORA-01756: quoted string not properly terminated


SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  Ename,
  3  TO_CHAR(Sal, '9G999D99') Sal,
  4  TO_CHAR(Comm, '9G999D99') Comm,
  5  TO_CHAR(Sal - Comm, '9G999D99S') Diff
  6  FROM Emp
  7* WHERE Comm IS NOT NULL
SQL> /

ENAME        SAL        COMM       DIFF
---------- --------- --------- ---------
MARTIN      1,250.00  1,400.00   150.00-
ALLEN       1,600.00    300.00 1,300.00+
TURNER      1,500.00       .00 1,500.00+
WARD        1,250.00    500.00   750.00+

SQL> cl scr
```

```
SQL> SELECT
  2  'The Hexadecimal Value of Decimal '||&GiveNum01||' is
'||TO_CHAR(&GiveNum02. 'X') Deci2Hexa
  3  FROM DUAL;
Enter value for givenum01: 10
Enter value for givenum02: 10
'The Hexadecimal Value of Decimal '||10||' is '||TO_CHAR(10 'X')
Deci2Hexa
                                                                 *
ERROR at line 2:
ORA-00907: missing right parenthesis


SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'The Hexadecimal Value of Decimal '||&GiveNum01||' is
'||TO_CHAR(&GiveNum02, 'X') Deci2Hexa
  3* FROM DUAL
SQL> /
Enter value for givenum01: 10
Enter value for givenum02: 10

DECI2HEXA
--------------------------------------------
The Hexadecimal Value of Decimal 10 is  A

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'The Hexadecimal Value of Decimal '||&GiveNum01||' is
'||TRIM(TO_CHAR(&GiveNum02, 'x')) Deci2Hexa
  3* FROM DUAL
SQL> /
Enter value for givenum01: 10
Enter value for givenum02: 10

DECI2HEXA
-----------------------------------------
The Hexadecimal Value of Decimal 10 is a

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'The Hexadecimal Value of Decimal '||&GiveNum01||' is
'||TRIM(TO_CHAR(&GiveNum02, 'X')) Deci2Hexa
  3* FROM DUAL
SQL> /
Enter value for givenum01: 11
Enter value for givenum02: 11

DECI2HEXA
-----------------------------------------
The Hexadecimal Value of Decimal 11 is B
```

```
SQL> /
Enter value for givenum01: 12
Enter value for givenum02: 12

DECI2HEXA
------------------------------------------
The Hexadecimal Value of Decimal 12 is C

SQL> /
Enter value for givenum01: 13
Enter value for givenum02: 13

DECI2HEXA
------------------------------------------
The Hexadecimal Value of Decimal 13 is D

SQL> /
Enter value for givenum01: 14
Enter value for givenum02: 14

DECI2HEXA
------------------------------------------
The Hexadecimal Value of Decimal 14 is E

SQL> /
Enter value for givenum01: 15
Enter value for givenum02: 15

DECI2HEXA
------------------------------------------
The Hexadecimal Value of Decimal 15 is F

SQL> /
Enter value for givenum01: 16
Enter value for givenum02: 16

DECI2HEXA
------------------------------------------
The Hexadecimal Value of Decimal 16 is ##

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'The Hexadecimal Value of Decimal '||&GiveNum01||' is
'||TRIM(TO_CHAR(&GiveNum02, 'XXXXXXXXXXXXXXXXXX')) Deci2Hexa
  3* FROM DUAL
SQL> /
Enter value for givenum01: 2323
Enter value for givenum02: 2323

DECI2HEXA
-------------------------------------------------------------
The Hexadecimal Value of Decimal 2323 is 913

SQL> /
Enter value for givenum01: 435445
```

```
Enter value for givenum02: 435445

DECI2HEXA
-----------------------------------------------------------------
The Hexadecimal Value of Decimal 435445 is 6A4F5

SQL> cl scr

SQL> SELECT
  2  Ename,
  3  TO_CHAR(Sal, '9,999D99') Sal,
  4  TO_CHAR(Comm, '9,999D99') Comm,
  5  TO_CHAR(Sal + NVL(Comm, 0), '9,999D99') TotSal
  6  FROM Emp;
TO_CHAR(Sal, '9,999D99') Sal,
                *
ERROR at line 3:
ORA-01481: invalid number format model


SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  Ename,
  3  TO_CHAR(Sal, '9,999.99') Sal,
  4  TO_CHAR(Comm, '9,999.99') Comm,
  5  TO_CHAR(Sal + NVL(Comm, 0), '9,999.99') TotSal
  6* FROM Emp
SQL> /

ENAME        SAL        COMM       TOTSAL
---------- --------- --------- ---------
KING        5,000.00             5,000.00
BLAKE       2,850.00             2,850.00
CLARK       2,450.00             2,450.00
JONES       2,975.00             2,975.00
MARTIN      1,250.00  1,400.00   2,650.00
ALLEN       1,600.00   300.00    1,900.00
TURNER      1,500.00      .00    1,500.00
JAMES         950.00               950.00
WARD        1,250.00   500.00    1,750.00
FORD        3,000.00             3,000.00
SMITH         800.00               800.00
SCOTT       3,000.00             3,000.00
ADAMS       1,100.00             1,100.00
MILLER      1,300.00             1,300.00

14 rows selected.

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  Ename,
  3  TO_CHAR(Sal, '$9,999.99') Sal,
  4  TO_CHAR(Comm, '$9,999.99') Comm,
  5  TO_CHAR(Sal + NVL(Comm, 0), '$9,999.99') TotSal
```

```
   6* FROM Emp
SQL> /

ENAME       SAL         COMM        TOTSAL
---------- ----------- ----------- -----------
KING        $5,000.00               $5,000.00
BLAKE       $2,850.00               $2,850.00
CLARK       $2,450.00               $2,450.00
JONES       $2,975.00               $2,975.00
MARTIN      $1,250.00   $1,400.00   $2,650.00
ALLEN       $1,600.00     $300.00   $1,900.00
TURNER      $1,500.00        $.00   $1,500.00
JAMES         $950.00                 $950.00
WARD        $1,250.00     $500.00   $1,750.00
FORD        $3,000.00               $3,000.00
SMITH         $800.00                 $800.00
SCOTT       $3,000.00               $3,000.00
ADAMS       $1,100.00               $1,100.00
MILLER      $1,300.00               $1,300.00

14 rows selected.

SQL> ED
Wrote file afiedt.buf

   1  SELECT
   2  Ename,
   3  TO_CHAR(Sal, '9,999.99$') Sal,
   4  TO_CHAR(Comm, '9,999.99$') Comm,
   5  TO_CHAR(Sal + NVL(Comm, 0), '9,999.99$') TotSal
   6* FROM Emp
SQL> /

ENAME       SAL         COMM        TOTSAL
---------- ----------- ----------- -----------
KING        $5,000.00               $5,000.00
BLAKE       $2,850.00               $2,850.00
CLARK       $2,450.00               $2,450.00
JONES       $2,975.00               $2,975.00
MARTIN      $1,250.00   $1,400.00   $2,650.00
ALLEN       $1,600.00     $300.00   $1,900.00
TURNER      $1,500.00        $.00   $1,500.00
JAMES         $950.00                 $950.00
WARD        $1,250.00     $500.00   $1,750.00
FORD        $3,000.00               $3,000.00
SMITH         $800.00                 $800.00
SCOTT       $3,000.00               $3,000.00
ADAMS       $1,100.00               $1,100.00
MILLER      $1,300.00               $1,300.00

14 rows selected.

SQL> cl scr

SQL> SELECT
   2  Ename,
   3  TO_CHAR(Sal, '9G999D99C') Sal,
   4  TO_CHAR(Comm, '9G999D99C') Comm,
```

```
    5  TO_CHAR(Sal + NVL(Comm, 0), '9G999D99C') TotSal
    6  FROM Emp;

ENAME      SAL              COMM             TOTSAL
---------- ---------------- ---------------- ----------------
KING            5,000.00USD                       5,000.00USD
BLAKE           2,850.00USD                       2,850.00USD
CLARK           2,450.00USD                       2,450.00USD
JONES           2,975.00USD                       2,975.00USD
MARTIN          1,250.00USD      1,400.00USD      2,650.00USD
ALLEN           1,600.00USD        300.00USD      1,900.00USD
TURNER          1,500.00USD          .00USD       1,500.00USD
JAMES             950.00USD                         950.00USD
WARD            1,250.00USD        500.00USD      1,750.00USD
FORD            3,000.00USD                       3,000.00USD
SMITH             800.00USD                         800.00USD
SCOTT           3,000.00USD                       3,000.00USD
ADAMS           1,100.00USD                       1,100.00USD
MILLER          1,300.00USD                       1,300.00USD

14 rows selected.

SQL> ED
Wrote file afiedt.buf

    1  SELECT
    2  Ename,
    3  TO_CHAR(Sal, '0G999D99C') Sal,
    4  TO_CHAR(Comm, '0G999D99C') Comm,
    5  TO_CHAR(Sal + NVL(Comm, 0), '0G999D99C') TotSal
    6* FROM Emp
SQL> /

ENAME      SAL              COMM             TOTSAL
---------- ---------------- ---------------- ----------------
KING            5,000.00USD                       5,000.00USD
BLAKE           2,850.00USD                       2,850.00USD
CLARK           2,450.00USD                       2,450.00USD
JONES           2,975.00USD                       2,975.00USD
MARTIN          1,250.00USD      1,400.00USD      2,650.00USD
ALLEN           1,600.00USD      0,300.00USD      1,900.00USD
TURNER          1,500.00USD      0,000.00USD      1,500.00USD
JAMES           0,950.00USD                       0,950.00USD
WARD            1,250.00USD      0,500.00USD      1,750.00USD
FORD            3,000.00USD                       3,000.00USD
SMITH           0,800.00USD                       0,800.00USD
SCOTT           3,000.00USD                       3,000.00USD
ADAMS           1,100.00USD                       1,100.00USD
MILLER          1,300.00USD                       1,300.00USD

14 rows selected.

SQL> ED
Wrote file afiedt.buf

    1  SELECT
    2  Ename,
    3  TO_CHAR(Sal, '0G999D99C') Sal,
```

```
    4   TO_CHAR(NVL(Comm, 0), '0G999D99C') Comm,
    5   TO_CHAR(Sal + NVL(Comm, 0), '0G999D99C') TotSal
    6* FROM Emp
SQL> /

ENAME      SAL              COMM             TOTSAL
---------- ---------------- ---------------- ----------------
KING              5,000.00USD      0,000.00USD      5,000.00USD
BLAKE             2,850.00USD      0,000.00USD      2,850.00USD
CLARK             2,450.00USD      0,000.00USD      2,450.00USD
JONES             2,975.00USD      0,000.00USD      2,975.00USD
MARTIN            1,250.00USD      1,400.00USD      2,650.00USD
ALLEN             1,600.00USD      0,300.00USD      1,900.00USD
TURNER            1,500.00USD      0,000.00USD      1,500.00USD
JAMES             0,950.00USD      0,000.00USD      0,950.00USD
WARD              1,250.00USD      0,500.00USD      1,750.00USD
FORD              3,000.00USD      0,000.00USD      3,000.00USD
SMITH             0,800.00USD      0,000.00USD      0,800.00USD
SCOTT             3,000.00USD      0,000.00USD      3,000.00USD
ADAMS             1,100.00USD      0,000.00USD      1,100.00USD
MILLER            1,300.00USD      0,000.00USD      1,300.00USD

14 rows selected.

SQL> cl scr

SQL> SELECT
  2  'Today is : '||SYSDATE||TO_CHAR(SYSDATE, ' B.C.') Today
  3  FROM DUAL;

TODAY
-----------------------------------
Today is : 07-APR-15 A.D.

SQL> SELECT
  2  Ename, HireDate||TO_CHAR(HireDate, ' B.C.') HireDate
  3  FROM Emp;

ENAME      HIREDATE
---------- ------------------------
KING       17-NOV-81 A.D.
BLAKE      01-MAY-81 A.D.
CLARK      09-JUN-81 A.D.
JONES      02-APR-81 A.D.
MARTIN     28-SEP-81 A.D.
ALLEN      20-FEB-81 A.D.
TURNER     08-SEP-81 A.D.
JAMES      03-DEC-81 A.D.
WARD       22-FEB-81 A.D.
FORD       03-DEC-81 A.D.
SMITH      17-DEC-80 A.D.
SCOTT      09-DEC-82 A.D.
ADAMS      12-JAN-83 A.D.
MILLER     23-JAN-82 A.D.

14 rows selected.

SQL> .cl scr
```

```
SP2-0042: unknown command ".cl scr" - rest of line ignored.
SQL> cl scr

SQL> SELECT
  2  'The Current Meridian in My Clock is : '||TO_CHAR(SYSDATE, 'A.M.')
Meridian
  3  FROM DUAL;

MERIDIAN
---------------------------------------------
The Current Meridian in My Clock is : P.M.

SQL> SELECT
  2  'Today is : '||SYSDATE||TO_CHAR(SYSDATE, 'CC') Today
  3  FROM DUAL;

TODAY
--------------------------------
Today is : 07-APR-1521

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'Today is : '||SYSDATE||TO_CHAR(SYSDATE, ', "Century : "CC') Today
  3* FROM DUAL
SQL> /

TODAY
--------------------------------------------
Today is : 07-APR-15, Century : 21

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'Today is : '||SYSDATE||TO_CHAR(SYSDATE, ', "Century : "CC B.C.')
Today
  3* FROM DUAL
SQL> /

TODAY
-----------------------------------------------
Today is : 07-APR-15, Century : 21 A.D.

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  Ename,
  3  HireDate,
  4  TO_CHAR(HireDate, '"Century : "CC, B.C.') Century
  5* FROM Emp
SQL> /

ENAME      HIREDATE  CENTURY
---------- --------- ------------------
KING       17-NOV-81 Century : 20, A.D.
```

```
BLAKE       01-MAY-81 Century : 20, A.D.
CLARK       09-JUN-81 Century : 20, A.D.
JONES       02-APR-81 Century : 20, A.D.
MARTIN      28-SEP-81 Century : 20, A.D.
ALLEN       20-FEB-81 Century : 20, A.D.
TURNER      08-SEP-81 Century : 20, A.D.
JAMES       03-DEC-81 Century : 20, A.D.
WARD        22-FEB-81 Century : 20, A.D.
FORD        03-DEC-81 Century : 20, A.D.
SMITH       17-DEC-80 Century : 20, A.D.
SCOTT       09-DEC-82 Century : 20, A.D.
ADAMS       12-JAN-83 Century : 20, A.D.
MILLER      23-JAN-82 Century : 20, A.D.


14 rows selected.

SQL> cl scr

SQL> SELECT
  2  'Today is Day '||TO_CHAR(SYSDATE, 'D')||' of The Week.' Today
  3  FROM DUAL;

TODAY
--------------------------
Today is Day 3 of The Week.

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'Today is : '||TO_CHAR(SYSDATE, 'Day, ')||SYSDATE Today
  3* FROM DUAL
SQL> /

TODAY
-------------------------------------------------------------------
Today is : Tuesday   , 07-APR-15

SQL> cl scr

SQL> SELECT
  2  Ename,
  3  HireDate,
  4  TO_CHAR(HireDate, 'Day') WeekDay
  5  FROM Emp;

ENAME      HIREDATE  WEEKDAY
---------- --------- ------------------------------------
KING       17-NOV-81 Tuesday
BLAKE      01-MAY-81 Friday
CLARK      09-JUN-81 Tuesday
JONES      02-APR-81 Thursday
MARTIN     28-SEP-81 Monday
ALLEN      20-FEB-81 Friday
TURNER     08-SEP-81 Tuesday
JAMES      03-DEC-81 Thursday
WARD       22-FEB-81 Sunday
FORD       03-DEC-81 Thursday
```

```
SMITH      17-DEC-80 Wednesday
SCOTT      09-DEC-82 Thursday
ADAMS      12-JAN-83 Wednesday
MILLER     23-JAN-82 Saturday

14 rows selected.

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  Ename,
  3  HireDate,
  4  TO_CHAR(HireDate, 'Day') WeekDay
  5  FROM Emp
  6* WHERE TO_CHAR(HireDate, 'Day') = 'Friday'
SQL> /


no rows selected

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  Ename,
  3  HireDate,
  4  TO_CHAR(HireDate, 'Day') WeekDay
  5  FROM Emp
  6* WHERE TO_CHAR(HireDate, 'Day') = 'Friday    '
SQL> /

ENAME      HIREDATE  WEEKDAY
---------- --------- ------------------------------------
BLAKE      01-MAY-81 Friday
ALLEN      20-FEB-81 Friday

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  Ename,
  3  HireDate,
  4  TO_CHAR(HireDate, 'Day') WeekDay
  5  FROM Emp
  6* WHERE TRIM(TO_CHAR(HireDate, 'Day')) = 'Friday'
SQL> /
ENAME      HIREDATE  WEEKDAY
---------- --------- ------------------------------------
BLAKE      01-MAY-81 Friday
ALLEN      20-FEB-81 Friday

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  Ename,
  3  HireDate,
```

```
    4   TO_CHAR(HireDate, 'Day"("DY")"') WeekDay
    5   FROM Emp
    6*  WHERE TRIM(TO_CHAR(HireDate, 'Day')) = 'Friday'
SQL> /

ENAME        HIREDATE   WEEKDAY
---------- --------- --------------------------------------------------
BLAKE        01-MAY-81 Friday   (FRI)
ALLEN        20-FEB-81 Friday   (FRI)

SQL> cl scr

SQL> SELECT
  2   'The Current Day of This Month is : '||TO_CHAR(SYSDATE, 'DD')
MonthDay
  3   FROM DUAL;

MONTHDAY
---------------------------------------
The Current Day of This Month is : 07

SQL> cl scr

SQL> SELECT
  2   Ename, HireDate
  3   FROM Emp
  4   WHERE TO_CHAR(HireDate, 'DD') > 15;

ENAME        HIREDATE
---------- ---------
KING         17-NOV-81
MARTIN       28-SEP-81
ALLEN        20-FEB-81
WARD         22-FEB-81
SMITH        17-DEC-80
MILLER       23-JAN-82

6 rows selected.

SQL> cl scr

SQL> SELECT
  2   'The Current Day in This Year is : '||TO_CHAR(SYSDATE, 'DDD')
YearDay
  3   FROM DUAL;

YEARDAY
---------------------------------------
The Current Day in This Year is : 097

SQL> SELECT
  2   Ename, Deptno, HireDate
  3   FROM Emp
  4   WHERE TO_CHAR(HireDate, 'DDD') > 245;

ENAME          DEPTNO HIREDATE
---------- ---------- ---------
KING               10 17-NOV-81
```

```
MARTIN             30 28-SEP-81
TURNER             30 08-SEP-81
JAMES              30 03-DEC-81
FORD               20 03-DEC-81
SMITH              20 17-DEC-80
SCOTT              20 09-DEC-82


7 rows selected.

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  Ename, Deptno, HireDate
  3  FROM Emp
  4* WHERE TO_CHAR(HireDate, 'DDD') BETWEEN 245 AND 300
SQL> /

ENAME          DEPTNO HIREDATE
---------- ---------- ---------
MARTIN             30 28-SEP-81
TURNER             30 08-SEP-81

SQL> SELECT
  2  'The Current Week in This Year is : '||TO_CHAR(SYSDATE, 'IW')
YearWeek
  3  FROM DUAL;

YEARWEEK
-----------------------------------
The Current Week in This Year is : 15

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'The Current Week in This Year is : '||TO_CHAR(SYSDATE, 'WW')
YearWeek
  3* FROM DUAL
SQL> /

YEARWEEK
---------------------------------------
The Current Week in This Year is : 14

SQL> cl scr

SQL> SELECT
  2  'The Current Year is : '||TO_CHAR(SYSDATE, 'IYYY') Year
  3  FROM DUAL;

YEAR
---------------------------
The Current Year is : 2015

SQL> ED
Wrote file afiedt.buf
```

```
    1  SELECT
    2  'The Current Year is : '||TO_CHAR(SYSDATE, 'YYYY') Year
    3* FROM DUAL
SQL> /

YEAR
--------------------------
The Current Year is : 2015

SQL> SELECT
    2  Ename, HireDate, TO_CHAR(HireDate, 'IYYY') Year
    3  FROM Emp
    4  /

ENAME      HIREDATE  YEAR
---------- --------- ----
KING       17-NOV-81 1981
BLAKE      01-MAY-81 1981
CLARK      09-JUN-81 1981
JONES      02-APR-81 1981
MARTIN     28-SEP-81 1981
ALLEN      20-FEB-81 1981
TURNER     08-SEP-81 1981
JAMES      03-DEC-81 1981
WARD       22-FEB-81 1981
FORD       03-DEC-81 1981
SMITH      17-DEC-80 1980
SCOTT      09-DEC-82 1982
ADAMS      12-JAN-83 1983
MILLER     23-JAN-82 1982

14 rows selected.

SQL> ED
Wrote file afiedt.buf

    1  SELECT
    2  Ename, HireDate, TO_CHAR(HireDate, 'IYYY') Year
    3  FROM Emp
    4* WHERE TO_CHAR(HireDate, 'IYYY') = 1981
SQL> /

ENAME      HIREDATE  YEAR
---------- --------- ----
KING       17-NOV-81 1981
BLAKE      01-MAY-81 1981
CLARK      09-JUN-81 1981
JONES      02-APR-81 1981
MARTIN     28-SEP-81 1981
ALLEN      20-FEB-81 1981
TURNER     08-SEP-81 1981
JAMES      03-DEC-81 1981
WARD       22-FEB-81 1981
FORD       03-DEC-81 1981

10 rows selected.

SQL> cl scr
```

```
SQL> SELECT
  2  'The Current Year is : '||TO_CHAR(SYSDATE, 'YYYY"("Year")"')
ThisYear
  3  FROM DUAL;

THISYEAR
------------------------------------------------------------------------
The Current Year is : 2015(Twenty Fifteen)

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'The Current Year is : '||TO_CHAR(SYSDATE, 'YYYY"("Year, "Century :
"CC, B.C.")"') ThisYear
  3* FROM DUAL
SQL> /

THISYEAR
------------------------------------------------------------------------
-----------------
The Current Year is : 2015(Twenty Fifteen, Century : 21, A.D.)

SQL> cl scr

SQL> SELECT
  2  Ename, HireDate,
  3  TO_CHAR(HireDate, 'YYYY"("Year"Century : "CC, B.C.")"') HireInfo
  4  FROM Emp;

ENAME      HIREDATE  HIREINFO
---------- --------- -----------------------------------------------------
--------------
KING       17-NOV-81 1981(Nineteen Eighty-OneCentury : 20, A.D.)
BLAKE      01-MAY-81 1981(Nineteen Eighty-OneCentury : 20, A.D.)
CLARK      09-JUN-81 1981(Nineteen Eighty-OneCentury : 20, A.D.)
JONES      02-APR-81 1981(Nineteen Eighty-OneCentury : 20, A.D.)
MARTIN     28-SEP-81 1981(Nineteen Eighty-OneCentury : 20, A.D.)
ALLEN      20-FEB-81 1981(Nineteen Eighty-OneCentury : 20, A.D.)
TURNER     08-SEP-81 1981(Nineteen Eighty-OneCentury : 20, A.D.)
JAMES      03-DEC-81 1981(Nineteen Eighty-OneCentury : 20, A.D.)
WARD       22-FEB-81 1981(Nineteen Eighty-OneCentury : 20, A.D.)
FORD       03-DEC-81 1981(Nineteen Eighty-OneCentury : 20, A.D.)
SMITH      17-DEC-80 1980(Nineteen EightyCentury : 20, A.D.)
SCOTT      09-DEC-82 1982(Nineteen Eighty-TwoCentury : 20, A.D.)
ADAMS      12-JAN-83 1983(Nineteen Eighty-ThreeCentury : 20, A.D.)
MILLER     23-JAN-82 1982(Nineteen Eighty-TwoCentury : 20, A.D.)

14 rows selected.

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  Ename, HireDate,
  3  TO_CHAR(HireDate, 'YYYY"("Year" Century : "CC, B.C.")"') HireInfo
  4* FROM Emp
```

```
SQL> /

ENAME      HIREDATE  HIREINFO
---------- --------- --------------------------------------------------------
---------------
KING       17-NOV-81 1981(Nineteen Eighty-One Century : 20, A.D.)
BLAKE      01-MAY-81 1981(Nineteen Eighty-One Century : 20, A.D.)
CLARK      09-JUN-81 1981(Nineteen Eighty-One Century : 20, A.D.)
JONES      02-APR-81 1981(Nineteen Eighty-One Century : 20, A.D.)
MARTIN     28-SEP-81 1981(Nineteen Eighty-One Century : 20, A.D.)
ALLEN      20-FEB-81 1981(Nineteen Eighty-One Century : 20, A.D.)
TURNER     08-SEP-81 1981(Nineteen Eighty-One Century : 20, A.D.)
JAMES      03-DEC-81 1981(Nineteen Eighty-One Century : 20, A.D.)
WARD       22-FEB-81 1981(Nineteen Eighty-One Century : 20, A.D.)
FORD       03-DEC-81 1981(Nineteen Eighty-One Century : 20, A.D.)
SMITH      17-DEC-80 1980(Nineteen Eighty Century : 20, A.D.)
SCOTT      09-DEC-82 1982(Nineteen Eighty-Two Century : 20, A.D.)
ADAMS      12-JAN-83 1983(Nineteen Eighty-Three Century : 20, A.D.)
MILLER     23-JAN-82 1982(Nineteen Eighty-Two Century : 20, A.D.)

14 rows selected.

SQL> cl scr

SQL> SELECT
  2  'The Current Week in This Month is : '||TO_CHAR(SYSDATE, 'W')
MonthWeek
  3  FROM DUAL;

MONTHWEEK
--------------------------------------
The Current Week in This Month is : 1

SQL> cl scr

SQL> SELECT
  2  'The Current Quarter of This Year is : '||TO_CHAR(SYSDATE, 'Q')
Quarter
  3  FROM DUAL;

QUARTER
----------------------------------------
The Current Quarter of This Year is : 2

SQL> cl scr

SQL> SELECT
  2  Ename, HireDate
  3  FROM Emp
  4  WHERE TO_CHAR(HireDate, 'YYYY') = 1981 AND
  5  TO_CHAR(HireDate, 'Q') IN(1, 4);

ENAME      HIREDATE
---------- ---------
KING       17-NOV-81
ALLEN      20-FEB-81
JAMES      03-DEC-81
WARD       22-FEB-81
```

```
FORD        03-DEC-81

SQL> cl scr

SQL> SELECT
  2  'The Current Julian Day is : '||TO_CHAR(SYSDATE, 'J') Julian
  3  FROM DUAL;

JULIAN
-----------------------------------
The Current Julian Day is : 2457120

SQL> cl scr

SQL> SELECT
  2  'The Current Month is : '||TO_CHAR(SYSDATE, 'Month"("MON-MM")"')
Month
  3  FROM DUAL;

MONTH
----------------------------------------------------------------
---
The Current Month is : April     (APR-04)

SQL> SELECT
  2  Ename, HireDate, TO_CHAR(HireDate, 'Month"("MM-MON")"') Month
  3  FROM Emp;

ENAME      HIREDATE  MONTH
---------- --------- -----------------------------------------------
-
KING       17-NOV-81 November (11-NOV)
BLAKE      01-MAY-81 May       (05-MAY)
CLARK      09-JUN-81 June      (06-JUN)
JONES      02-APR-81 April     (04-APR)
MARTIN     28-SEP-81 September(09-SEP)
ALLEN      20-FEB-81 February (02-FEB)
TURNER     08-SEP-81 September(09-SEP)
JAMES      03-DEC-81 December (12-DEC)
WARD       22-FEB-81 February (02-FEB)
FORD       03-DEC-81 December (12-DEC)
SMITH      17-DEC-80 December (12-DEC)
SCOTT      09-DEC-82 December (12-DEC)
ADAMS      12-JAN-83 January  (01-JAN)
MILLER     23-JAN-82 January  (01-JAN)

14 rows selected.

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  Ename, HireDate, TO_CHAR(HireDate, 'DD-MM-YYYY') HireDate
  3* FROM Emp
SQL> /

ENAME      HIREDATE   HIREDATE
---------- --------- ----------
```

```
KING        17-NOV-81 17-11-1981
BLAKE       01-MAY-81 01-05-1981
CLARK       09-JUN-81 09-06-1981
JONES       02-APR-81 02-04-1981
MARTIN      28-SEP-81 28-09-1981
ALLEN       20-FEB-81 20-02-1981
TURNER      08-SEP-81 08-09-1981
JAMES       03-DEC-81 03-12-1981
WARD        22-FEB-81 22-02-1981
FORD        03-DEC-81 03-12-1981
SMITH       17-DEC-80 17-12-1980
SCOTT       09-DEC-82 09-12-1982
ADAMS       12-JAN-83 12-01-1983
MILLER      23-JAN-82 23-01-1982

14 rows selected.

SQL> ED
Wrote file afiedt.buf

  1   SELECT
  2   Ename, HireDate, TO_CHAR(HireDate, 'MM/DD/YYYY') HireDate
  3*  FROM Emp
SQL> /

ENAME       HIREDATE  HIREDATE
---------- --------- ----------
KING        17-NOV-81 11/17/1981
BLAKE       01-MAY-81 05/01/1981
CLARK       09-JUN-81 06/09/1981
JONES       02-APR-81 04/02/1981
MARTIN      28-SEP-81 09/28/1981
ALLEN       20-FEB-81 02/20/1981
TURNER      08-SEP-81 09/08/1981
JAMES       03-DEC-81 12/03/1981
WARD        22-FEB-81 02/22/1981
FORD        03-DEC-81 12/03/1981
SMITH       17-DEC-80 12/17/1980
SCOTT       09-DEC-82 12/09/1982
ADAMS       12-JAN-83 01/12/1983
MILLER      23-JAN-82 01/23/1982

14 rows selected.

SQL> SPOOL OFF
```