```
SQL> cl scr
SQL> COLUMN String1 FORMAT A7
SQL> COLUMN String2 FORMAT A7
SQL> COLUMN String3 FORMAT A7
SQL> SELECT
    2 'APPLE IS FRUIT' OrgString,
    3 SUBSTR('APPLE IS FRUIT', 1, INSTR('APPLE IS FRUIT',
String1,
    4 SUBSTR('APPLE IS FRUIT',
           (INSTR('APPLE_IS_FRUIT', '_', 1, 1) + 1),
(INSTR('APPLE_IS_FRUIT', '_', 1, 2) - 1) -
((INSTR('APPLE_IS_FRUIT', '_', 1, 1)))) String2,
    7 SUBSTR('APPLE_IS_FRUIT', (INSTR('APPLE_IS_FRUIT',
String3
    8 FROM DUAL
    9 /
ORGSTRING STRING1 STRING2 STRING3
APPLE IS FRUIT APPLE IS FRUIT
SQL> COLUMN Area FORMAT A4
SQL> COLUMN Street FORMAT A6
SQL> COLUMN Lane FORMAT A4
SQL> COLUMN Sector FORMAT A6
SQL> COLUMN Building FORMAT A8
SQL> COLUMN Floor FORMAT A8
SQL> COLUMN Flat FORMAT A4
SQL> COLUMN Door FORMAT A4
SQL> SELECT
    2 '125-23-46-235/A/C-12/B' HouseNo,
    3 SUBSTR('125-23-46-235/A/C-12/B', 1, INSTR('125-23-46-235/A/C-12/B',
'-', 1, 1) - 1) Area,
    4 SUBSTR('125-23-46-235/A/C-12/B',
          (INSTR('125-23-46-235/A/C-12/B', '-', 1, 1) + 1),
             (INSTR('125-23-46-235/A/C-12/B', '-', 1, 2) - 1) - ((INSTR('125-
23-46-235/A/C-12/B', '-', 1, 1)))) Street,
    7 SUBSTR('125-23-46-235/A/C-12/B',
          (INSTR('125-23-46-235/A/C-12/B', '-', 1, 2) + 1),
    9 (INSTR('125-23-46-235/A/C-12/B', '-', 1, 3) - 1) - ((INSTR('125-
23-46-235/A/C-12/B', '-', 1, 2)))) Lane,
  10 SUBSTR('125-23-46-235/A/C-12/B',
            (INSTR('125-23-46-235/A/C-12/B', '-', 1, 3) + 1),
  11 (INSTR('125-23-46-235/A/C-12/B', '-', 1, 3, 1, 1, 1) - ((INSTR('125-23-46-235/A/C-12/B', '/', 1, 1) - 1) - ((INSTR('125-23-46-235/A/C-12/B', '/', 1, 1) - 1) - ((INSTR('125-23-46-235/A/C-12/B', '/', 1, 1) - 1) - ((INSTR('125-23-46-235/A/C-12/B', '-', 1, 1) - 1) - ((INSTR('125-23-46-235/A/C-12/B', 1) - ((INSTR('125-23-24-235/A/C-12/B', 1) - ((INSTR('125-23-24-235/A/C-12/B', 1) - ((INSTR('125-23-24-235/A/C-12/B', 1) - ((INSTR(
 12
23-46-235/A/C-12/B', '-', 1, 3)))) Sector,
  13 SUBSTR('125-23-46-235/A/C-12/B',
         (INSTR('125-23-46-235/A/C-12/B', '/', 1, 1) + 1),
                 (INSTR('125-23-46-235/A/C-12/B', '/', 1, 2) - 1) - ((INSTR('125-
23-46-235/A/C-12/B', '/', 1, 1)))) Building,
  16 SUBSTR('125-23-46-235/A/C-12/B',
          (INSTR('125-23-46-235/A/C-12/B', '/', 1, 2) + 1),
```

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```
(INSTR('125-23-46-235/A/C-12/B', '-', 1, 4) - 1) - ((INSTR('125-
23-46-235/A/C-12/B', '/', 1, 2)))) Floor,
 19 SUBSTR('125-23-46-235/A/C-12/B',
 20
    (INSTR('125-23-46-235/A/C-12/B', '-', 1, 4) + 1),
       (INSTR('125-23-46-235/A/C-12/B', '/', 1, 3) - 1) - ((INSTR('125-
 21
23-46-235/A/C-12/B', '-', 1, 4)))) Flat,
 22 SUBSTR('125-23-46-235/A/C-12/B',
 2.3
     (INSTR('125-23-46-235/A/C-12/B', '/', 1, 3) + 1)) Door
 24 FROM DUAL
 25
                       AREA STREET LANE SECTOR BUILDING FLOOR
                                                                    FLAT
HOUSENO
DOOR
125-23-46-235/A/C-12/B 125 23 46 235
                                                                    12
                                                 Α
                                                                         В
SQL> cl scr
                                                ****SAMPLE
SQL> --'SAMPLE' => LPAD('SAMPLE', 10, '*') =>
SQL> --'SAMPLE' => RPAD('SAMPLE', 10, '*') => SAMPLE****
SQL> --'SAMPLE' => LPAD('SAMPLE', 10, '*.') => *.*.SAMPLE
SQL> --'SAMPLE' => RPAD('SAMPLE', 10, '*.') => SAMPLE*.*.
SQL>
SQL> SELECT
  2 'SAMPLE' String,
    LPAD('SAMPLE', 10, '*') Lpad
  4 FROM DUAL;
STRING LPAD
_____
SAMPLE ***SAMPLE
SQL> ED
Wrote file afiedt.bu
  1 SELECT
  2 'SAMPLE' String,
  3 LPAD('SAMPLE', 10) Lpad
  4* FROM DUAL
SQL> /
STRING LPAD
SAMPLE
         SAMPLE
SQL> cl scr
SQL> SELECT
    'Page 1' MyString,
  3 LPAD('Page 1', 15, '*.') LPadded
  4 FROM DUAL;
```

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```
MYSTRI LPADDED
Page 1 *.*.*.*Page 1
SQL> ED
Wrote file afiedt.buf
  1 SELECT
  2 'Page 1' MyString,
  3 LPAD('Page 1', 15) LPadded
  4* FROM DUAL
SQL> /
MYSTRI LPADDED
              Page 1
Page 1
SOL> cl scr
SQL> SELECT
 2 Ename,
  3 LPAD(Ename, 10, '-') EnamePad
  4 FROM Emp
  5 WHERE Sal >= 2500;
ENAME ENAMEPAD
KING
        ----KING
BLAKE
         ----BLAKE
JONES
         ----JONES
          ----FORD
FORD
          ----SCOTT
SCOTT
SQL> ED
Wrote file afiedt.buf
 1 SELECT
  2 Ename,
  3 LPAD (Ename, 10) EnamePad
  4 FROM Emp
5* WHERE Sal >= 2500 SQL> /
ENAME ENAMEPAD
KING
               KING
BLAKE
              BLAKE
JONES
              JONES
               FORD
FORD
SCOTT
              SCOTT
```

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```
SQL> SELECT
  2 'Page 1' MyString,
  3 RPAD('Page 1' , 15, '*.') RPadded
  4 FROM DUAL;
MYSTRI RPADDED
Page 1 Page 1*.*.*.*
SQL> ED
Wrote file afiedt.buf
    SELECT
  2 'Page 1' MyString,
  3 RPAD('Page 1' , 15) RPadded
  4* FROM DUAL
SQL> /
MYSTRI RPADDED
Page 1 Page 1
SQL> cl scr
SQL> COL Center FORMAT A20
SQL> SELECT
  2 Ename,
                                    '-') Center
  3 LPAD(RPAD(Ename, 10,
  4 FROM Emp;
ENAME
         CENTER
KING
          ----KING----
BLAKE
           ----BLAKE-
           ----CLARK--
CLARK
JONES
           ----JONES----
MARTIN
             ---MARTIN----
              --ALLEN----
ALLEN
             ---TURNER----
TURNER
           ----JAMES----
JAMES
WARD FORD ----FORD----
SMITH----
ADAMS
           ----ADAMS----
MILLER
           ----MILLER----
14 rows selected.
SQL> ED
Wrote file afiedt.buf
```

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```
1 SELECT
  2 Ename,
  3 LPAD(RPAD(Ename, 10), 15) Center
  4* FROM Emp
SQL> /
       CENTER
ENAME
KING
              KING
              BLAKE
BLAKE
CLARK
              CLARK
              JONES
JONES
MARTIN
              MARTIN
              ALLEN
ALLEN
              TURNER
TURNER
JAMES
               JAMES
               WARD
WARD
FORD
               FORD
SMITH
               SMITH
SCOTT
               SCOTT
ADAMS
              ADAMS
MILLER
              MILLER
14 rows selected.
SQL> cl scr
  L> SELECT
2 'xyzXxyLAST WORD' OrgStr,
2 'xyzXxyLAST WORD', 'xy'
SOL> SELECT
  3 LTRIM('xyzXxyLAST WORD',
  4 FROM DUAL;
ORGSTR
              LTRIM
xyzXxyLAST WORD zXxyLAST WORD
SQL> SELECT
  DL> SELECT
2 'xyzXxyLAST WORD' OrgStr,
  3 LTRIM('xyzXxyLAST WORD', 'xzy') LTRIM
  4 FROM DUAL;
ORGSTR
xyzXxyLAST WORD XxyLAST WORD
SQL> SELECT
  2 'xyzXxyLAST WORD' OrgStr,
  3 LTRIM('xyzXxyLAST WORD', 'xzyX') LTRIM
  4 FROM DUAL;
ORGSTR
               LTRIM
_____
```

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```
xyzXxyLAST WORD LAST WORD
SQL> ED
Wrote file afiedt.buf
  2 ' LAST WORD' OrgStr,
  3 LTRIM(' LAST WORD') LTRIM
  4* FROM DUAL
SQL> /
ORGSTR
         LTRIM
      LAST WORD LAST WORD
SQL> cl scr
SQL> SELECT
  2 'BROWNINGyxXxy' OrgStr,
  3 RTRIM('BROWNINGyxXxy', 'xy') RTRIM
  4 FROM DUAL;
ORGSTR RTRIM
BROWNINGyxXxy BROWNINGyxX
SQL> ED
Wrote file afiedt.buf
  1 SELECT
2 'BROWNINGYXXXY' OrgStr.
...'BROWNINGVXXXY', 'XYX') RTRIM
  4* FROM DUAL
SQL> /
ORGSTR
            RTRIM
BROWNINGYXXXY BROWNING
SQL> SELECT
  2 Ename,
  3 Job
4 FROM Emp
    WHERE LTRIM(Job, 'MAN') LIKE 'GER';
ENAME
         JOB
-----
BLAKE
         MANAGER
         MANAGER
CLARK
JONES
         MANAGER
SOL> cl scr
```

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```
SQL> SELECT
  2 'MITHSS' String,
  3 TRIM('S' FROM 'MITHSS') Trimmed
  4 FROM DUAL;
STRING TRIM
_____
MITHSS MITH
SOL> ED
Wrote file afiedt.buf
  1 SELECT
  2 'SSMITH' String,
  3 TRIM('S' FROM 'SSMITH') Trimmed
  4* FROM DUAL
SQL> /
STRING TRIM
SSMITH MITH
SQL> ED
Wrote file afiedt.buf
  1 SELECT
    'SSMITHSS' String,
  3 TRIM('S' FROM 'SSMITHSS') Trimmed
  4* FROM DUAL
SQL> /
STRING TRIM
SSMITHSS MITH
SQL> ED
Wrote file afiedt.buf
  1 SELECT
  2 'SSMITHSS' String,
     TRIM(LEADING 'S' FROM 'SSMITHSS') Trimmed
  4* FROM DUAL
SQL>
STRING TRIMME
 ·<del>-</del>----
SSMITHSS MITHSS
SQL> ED
Wrote file afiedt.buf
```

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```
1 SELECT
    'SSMITHSS' String,
  3 TRIM(TRAILING 'S' FROM 'SSMITHSS') Trimmed
  4* FROM DUAL
SQL> /
STRING TRIMME
SSMITHSS SSMITH
SOL> ED
Wrote file afiedt.buf
  1 SELECT
  2 'SSMITHSS' String,
  3 TRIM(BOTH 'S' FROM 'SSMITHSS') Trimmed
  4* FROM DUAL
SQL> /
STRING TRIM
SSMITHSS MITH
SOL> ED
Wrote file afiedt.buf
  1 SELECT
    'SSMITH' String,
  3 TRIM('SM' FROM 'SSMITH') Trimmed
  4* FROM DUAL
SQL> /
TRIM('SM' FROM 'SSMITH') Trimmed
ERROR at line 3:
ORA-30001: trim set should have only one character
SQL> ED
Wrote file afiedt.buf
  1 SELECT
        MITH 'String,
   TRIM(' MITH ') Trimmed
 4* FROM DUAL
SQL> /
STRING
              TRIM
    MITH
             МТТН
SQL> cl scr
```

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```
SQL> SELECT
  2 'JACK AND JUE' OrgStr,
  3 REPLACE('JACK AND JUE' , 'J', 'BL') REPLACE
  4 FROM DUAL;
ORGSTR REPLACE
JACK AND JUE BLACK AND BLUE
SQL> cl scr
SOL> ED
Wrote file afiedt.buf
 1 SELECT
  2 'JACK AND JUE' OrgStr,
  3 REPLACE('JACK AND JUE', 'J') REPLACE
  4* FROM DUAL
SOL> /
ORGSTR REPLACE
JACK AND JUE ACK AND UE
SQL> ED
Wrote file afiedt.buf
 1 SELECT
  2 'JACK AND JUE' OrgStr,
                            LENGTH (REPLACE ('JACK AND JUE', 'J'))
 3 LENGTH ('JACK AND JUE')
"N'J's"
 4* FROM DUAL
SQL> /
ORGSTR
JACK AND JUE
SQL> SELECT
  2 Ename,
  3 REPLACE (JOB, 'MAN', 'DAM') REPLACE
    FROM Emp
 5 WHERE Job = 'MANAGER';
ENAME
         REPLACE
 _____
BLAKE
         DAMAGER
CLARK
         DAMAGER
JONES
         DAMAGER
SQL> cl scr
```

Charles Taskas Caladiana Badallad

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```
SQL> SELECT
  2 Ename,
  3 Job,
  4 REPLACE (Job, 'P') REPLACE
  5 FROM Emp
  6 WHERE Job = 'PRESIDENT';
ENAME JOB REPLACE
KING PRESIDENT RESIDENT
SQL> cl scr
SQL> COL REPLACE FOR A15
SQL> SELECT
  2 Ename,
  3 Job,
  4 REPLACE (Job, 'MAN', 'EXECUTIVE') REPLACE
    FROM Emp
  6 WHERE Job = 'SALESMAN';
ENAME
        JOB REPLACE
MARTIN SALESMAN SALESEXECUTIVE
ALLEN SALESMAN SALESEXECUTIVE TURNER SALESMAN SALESEXECUTIVE WARD SALESMAN SALESEXECUTIVE
SQL> cl scr
SQL> SELECT
  2 Ename,
  3 Job,
  4 TRANSLATE (Job,
                          TRANSLATE
  5 FROM Emp
  6 WHERE Job = 'PRESIDENT';
TRANSLATE (Job, 'P') TRANSLATE
ERROR at line 4:
ORA-00909: invalid number of arguments
SQL> ED
Wrote file afiedt.buf
     SELECT
  1
  2 Ename,
    Job,
  4 TRANSLATE (Job, 'P', '') TRANSLATE
  5 FROM Emp
  6* WHERE Job = 'PRESIDENT'
SOL> /
```

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ENAME JOB TRANSLATE ______ KING PRESIDENT RESIDENT SQL> SELECT 2 Ename, 3 Job, 4 TRANSLATE (Job, 'MN', 'DM') TRANSLATE 5 FROM Emp 6 WHERE Job = 'MANAGER'; JOB ENAME TRANSLATE BLAKE MANAGER DAMAGER CLARK MANAGER DAMAGER JONES MANAGER DAMAGER SOL> cl scr SOL> SELECT 2 'The Data is : '||CHR(67)||CHR(65)||CHR(84) 3 FROM DUAL; SAMPLE The Data is : CAT SQL> SELECT 2 'The Character of ASCII '||&GiveASCII01||' is '||CHR(&GiveASCII02) Ascii2Char 3 FROM DUAL; Enter value for giveascii01: 65 Enter value for giveascii02: 65 ASCII2CHAR The Character of ASCII 65 is A SQL> / Enter value for giveascii01: 97 Enter value for giveascii02: 97 ASCII2CHAR The Character of ASCII 97 is a SQL> / Enter value for giveascii01: 1 Enter value for giveascii02: 1 ASCII2CHAR

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```
The Character of ASCII 1 is \square
SQL> /
Enter value for giveascii01: 2
Enter value for giveascii02: 2
ASCIT2CHAR
_____
The Character of ASCII 2 is \square
SQL> /
Enter value for giveascii01: 3
Enter value for giveascii02: 3
ASCII2CHAR
______
The Character of ASCII 3 is \square
SQL> /
Enter value for giveascii01: 4
Enter value for giveascii02: 4
ASCIT2CHAR
______
The Character of ASCII 4 is \square
Enter value for giveascii01: 5
Enter value for giveascii02:
ASCII2CHAR
The Character of ASCII
SQL> cl scr
SQL> SELECT *
 2 FROM Emp
  3 WHERE Empno = 7839;
                           MGR HIREDATE SAL
    EMPNO ENAME
                   JOB
       DEPTNO
     7839 KING PRESIDENT 17-NOV-81 5000
SQL> SELECT
   'The Employee Number : '||Empno||CHR(10)||
   'The Employee Name
                            : '||Ename||CHR(10)||
  4 'The Employee Job
                         : '||Job||CHR(10)||
```

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```
'The Employee Salary : '||Sal||CHR(10)||
     'The Employee Comm
                                       : '||Comm||CHR(10)||
      'The Employee HireDate : '||HireDate||CHR(10)||
     'The Employee Dept ID : '||Deptno||CHR(10)||
  9 'The Employee Manager ID : ' \mid \mid MGR \mid Employee
 10 FROM Emp
 11 WHERE Ename = 'KING';
EMPLOYEE
The Employee Number : 7839
The Employee Name : KING
The Employee Job : PRESIDENT
The Employee Salary : 5000
The Employee Comm :
The Employee HireDate : 17-NOV-81
The Employee Dept ID : 10
The Employee Manager ID
SOL> ED
Wrote file afiedt.buf
  1 SELECT
    'The Employee Number : '||Empno||CHR(10)||
'The Employee Name : '||Ename||CHR(10)||
'The Employee Job : '||Job||CHR(10)||
'The Employee Salary : '||Sal||CHR(10)||
  The Employee Job : '||Job||CHR(10)||

The Employee Salary : '||Sal||CHR(10)||

The Employee Comm : '||Comm||CHR(10)||

The Employee HireDate : '||HireDate||CHR(10)||

The Employee Dept ID : '||Deptno||CHR(10)||

The Employee Manager ID : '||MGR Employee
 10 FROM Emp
 10 FROM Emp
11* WHERE Ename = 'MILLER'
SOL> /
EMPLOYEE
                    --}-----
_____
The Employee Number : 7934
The Employee Name : MILLER
The Employee Job : CLERK
The Employee Salary : 1300
The Employee Comm
The Employee HireDate : 23-JAN-82
The Employee Dept ID : 10
The Employee Manager ID : 7782
SQL> CL SCR
```

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```
SQL> SELECT
  2 'The ASCII Value of Character '||'&GChar01'||' is
'||ASCII('&GChar02') CHAR2ASCII
 3 FROM DUAL;
Enter value for gchar01: A
Enter value for gchar02: A
CHAR2ASCIT
The ASCII Value of Character A is 65
SQL> /
Enter value for gchar01: B
Enter value for gchar02: B
CHAR2ASCII
_____
The ASCII Value of Character B is 66
SQL> /
Enter value for gchar01: APPLE
Enter value for gchar02: APPLE
CHAR2ASCII
______
The ASCII Value of Character APPLE is 65
SOL> SELECT
  2 'The ASCII Value of Capital A is : '||ASCII('A') AsciiNum,
  3 'The ASCII Value of APPLE is Also : '||ASCII('APPLE') AsciiNum
  4 FROM DUAL;
ASCIINUM
                                      ASCIINUM
The ASCII Value of Capital A is : 65 The ASCII Value of APPLE is Also :
SQL> cl scr
SQL > --2518.3794 => 2518.379
\overline{\text{SQL}}> --2518.3746 => 2518.375 => ROUNDING of The Number \overline{\text{SQL}}> --2518.3746 => 2518.374 => TRUNCATING of The Number
SQL> SELECT
2 2518.9746 MyNum,
    ROUND (2518.9746) Round,
    TRUNC (2518.9746) Trunc
    FROM DUAL;
     MYNUM
               ROUND
                          TRUNC
_____ ___
 2518.9746
                2519
                            2518
```

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```
SQL> cl scr
SOL> ED
Wrote file afiedt.buf
  1 SELECT
 2 2518.3746 MyNum,
  3 ROUND(2518.3746, 3) Round,
  4 TRUNC (2518.3746, 3) Trunc
  5* FROM DUAL
SQL> /
    MYNUM
             ROUND TRUNC
 2518.3746 2518.375 2518.374
SQL> ED
Wrote file afiedt.buf
 1 SELECT
  2 2518.3746 MyNum,
  3 ROUND (2518.3746, 2) Round,
  4 TRUNC (2518.3746, 2) Trunc
 5* FROM DUAL
SQL>
SQL> /
    MYNUM
              ROUND
______
           2518.37
 2518.3746
SQL> ED
Wrote file afiedt.buf
 1 SELECT
  2 2518.3746 MyNum,
  3 ROUND (2518.3746, 1) Round,
  4 TRUNC (2518.3746, 1) Trunc
  5* FROM DUAL
SQL> /
              ROUND TRUNC
    MYNUM
 2518.3746
              2518.4 2518.3
SQL> ED
Wrote file afiedt.buf
  1 SELECT
    2518.3746 MyNum,
  3 ROUND (2518.3746, 0) Round,
```

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4 TRUNC (2518.3746, 0) Trunc

5* FROM DUAL

SQL> /

TRUNC	ROUND	MYNUM
2518	2518	2518.3746

SQL> ED

Wrote file afiedt.buf

- 1 SELECT
- 2 2518.3746 MyNum,
- 3 ROUND(2518.3746, -1) Round,
- 4 TRUNC (2518.3746, -1) Trunc
- 5* FROM DUAL

SQL> /

TRUNC	ROUND	MYNUM
2510	2520	2518.3746

SQL> ED

Wrote file afiedt.buf

- 1 SELECT
- 2 2518.3746 MyNum,
- 3 ROUND(2518.3746, -2) Round,
- 4 TRUNC (2518.3746, -2) Trunc
- 5* FROM DUAL

SQL> /

MYNUM	ROUND	TRUNC
2518.3746	2500	2500

SQL> cl scr

SQL> SELECT

- 2 125.45 MyNum,
- 3 CEIL(125.45) Ceil,
- 4 FLOOR (125.45) Floor
- 5 FROM DUAL;

MYNUM	CEIL	FLOOR
125.45	126	##########

SP2-0735: unknown COLUMN option beginning "9999999999..."

SQL> R

1 SELECT

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```
.....
 2 125.45 MyNum,
 3 CEIL(125.45) Ceil,
 4 FLOOR(125.45) Floor
 5* FROM DUAL
   MYNUM CEIL FLOOR
   SQL> COL FLOOR FORMAT 99999999999
SOL> R
 1 SELECT
 2 125.45 MyNum,
 3 CEIL(125.45) Ceil,
 4 FLOOR(125.45) Floor
 5* FROM DUAL
   MYNUM CEIL
                     FLOOR
_____
                        125
   125.45
             126
SOL> ED
Wrote file afiedt.buf
 1 SELECT
 2 0.00000001 MyNum,
 3 CEIL(0.00000001) Ceil,
 4 FLOOR(0.00000001) Floor
 5* FROM DUAL
SOL> /
   MYNUM
             CEIL
.000000001
SQL> SELECT MOD(125, 3) Remainder FROM DUAL;
REMAINDER
   SELECT MOD (2354, 12) FROM DUAL;
MOD (2354, 12)
```

SQL> SELECT MOD(2354, 0) FROM DUAL;

MOD(2354,0)

2354

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```
SQL> cl scr
SQL> SELECT POWER(25, 3) Power FROM DUAL;
    POWER
    15625
SQL> SELECT POWER (-25, 3) Power FROM DUAL;
    POWER
    -15625
SQL> SELECT POWER(25, -3) Power FROM DUAL;
    POWER
   .000064
SQL> SELECT POWER(-25, -3) Power FROM DUAL
    POWER
_____
  -.000064
SQL> SELECT POWER(25.45, 3) Power
                                  FROM DUAL;
    POWER
_____
16484.0286
SQL> SELECT POWER(25.45, 3.65) Power FROM DUAL;
    POWER
135132.69
SQL> SELECT POWER(25, 3.65) Power FROM DUAL;
     POWER
126613.797
SQL> SELECT POWER(-25, 3) Power FROM DUAL;
    POWER
    -15625
SQL> SELECT POWER (-25, 3.15) Power FROM DUAL;
```

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SELECT POWER (-25, 3.15) Power FROM DUAL

ERROR at line 1:

ORA-01428: argument '-25' is out of range

SQL> cl scr

SQL> SELECT SQRT (625) SQRT FROM DUAL;

SQRT -----25

SQL> SELECT SQRT (625.65456) SQRT FROM DUAL;

SQRT

25.0130878

SQL> SELECT SQRT(-625) SQRT FROM DUAL; SELECT SQRT(-625) SQRT FROM DUAL

ERROR at line 1:

ORA-01428: argument '-625' is out of range

SQL> cl scr

SOL> SELECT

- 2 Ename, Sal, Comm, Sal Comm Diff
- 3 FROM Emp
- 4 WHERE Comm IS NOT NULL;

ENAME	SAL	COMM	DIFF
MADEEN	1050	1 400	1
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, Sal, Comm, ABS(Sal Comm) Diff
- 3 FROM Emp
- 4* WHERE Comm IS NOT NULL

SQL> /

ENAME SAL COMM DIFF

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MARTIN	1250	1400	150	
ALLEN	1600	300	1300	
TURNER	1500	0	1500	
WARD	1250	500	750	
SQL> ED				
Wrote file a	afiedt.buf			
1 SELECT				
2 Ename,	Sal, Comm, Si	IGN(Sal - Co	omm) Diff	
3 FROM Er	mp			. 4
4* WHERE	Comm IS NOT N	JLL		
SQL> /				

SAL	COMM	DIFF
1050	1 400	
1250	1400	-1
1600	300	1
1500	0	1
1250	500	1
	1250 1600 1500	1250 1400 1600 300 1500 0

SQL> cl scr

SQL> SELECT

- 2 'The Current Date is : '||SYSDATE Today
- 3 FROM DUAL;

TODAY

The Current Date is: 03-APR-15

SQL> cl scr

SQL> SELECT

- 2 SYSDATE Today, SYSDATE + 3 "3Days"
- 3 FROM DUAL;

SQL> ED

Wrote file afiedt.buf

- 1 SELECT
- 2 SYSDATE Today, SYSDATE 3 "3Days"
- 3* FROM DUAL

SQL> /

TODAY 3Days ------03-APR-15 31-MAR-15

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```
SQL> ED
Wrote file afiedt.buf
  1 SELECT
  2 SYSDATE Today, SYSDATE + 30 "30Days"
  3* FROM DUAL
SQL> /
TODAY 30Days
03-APR-15 03-MAY-15
SQL> ED
Wrote file afiedt.buf
  1 SELECT
  2 SYSDATE Today, SYSDATE + 375 "375Days"
  3* FROM DUAL
SQL> /
TODAY 375Days
03-APR-15 12-APR-16
SQL> ED
Wrote file afiedt.buf
  1 SELECT
  2 SYSDATE Today, SYSDATE
  3* FROM DUAL
SQL> /
          30Days
TODAY
03-APR-15 04-MAR+15
SQL> ED
Wrote file afiedt.buf
  1 SELECT
  2 SYSDATE Today, SYSDATE - 375 "375Days" 3* FROM DUAL
SQL>
TODAY
         375Days
03-APR-15 24-MAR-14
SQL> cl scr
SOL> SELECT
```

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.....

- 2 Ename, Deptno, HireDate, HireDate + 3 "3Days"
- 3 FROM Emp;

ENAME	DEPTNO	HIREDATE	3Days
KING	10	17-NOV-81	20-NOV-81
BLAKE	30	01-MAY-81	04-MAY-81
CLARK	10	09-JUN-81	12-JUN-81
JONES	20	02-APR-81	05-APR-81
MARTIN	30	28-SEP-81	01-OCT-81
ALLEN	30	20-FEB-81	23-FEB-81
TURNER	30	08-SEP-81	11-SEP-81
JAMES	30	03-DEC-81	06-DEC-81
WARD	30	22-FEB-81	25-FEB-81
FORD	20	03-DEC-81	06-DEC-81
SMITH	20	17-DEC-80	20-DEC-80
SCOTT	20	09-DEC-82	12-DEC-82
ADAMS	20	12-JAN-83	15-JAN-83
MILLER	10	23-JAN-82	26-JAN-82

14 rows selected.

SQL> SELECT

- 2 Ename, SYSDATE Today, HireDate, SYSDATE HireDate NDays
- 3 FROM Emp;

ENAME	TODAY	HIREDATE	NDAYS
KING	03-APR-15	17-NOV-81	12190.7338
BLAKE	03-APR-15	01-MAY-81	12390.7338
CLARK	03-APR-15	09-JUN-81	12351.7338
JONES	03-APR-15	02-APR-81	12419.7338
MARTIN	03-APR-15	28-SEP-81	12240.7338
ALLEN	03-APR-15	20-FEB-81	12460.7338
TURNER	03-APR-15	08-SEP-81	12260.7338
JAMES	03-APR-15	03-DEC-81	12174.7338
WARD	03-APR-15	22-FEB-81	12458.7338
FORD	03-APR-15	03-DEC-81	12174.7338
SMITH	03-APR-15	17-DEC-80	12525.7338
SCOTT	03-APR-15	09-DEC-82	11803.7338
ADAMS	03-APR-15	12-JAN-83	11769.7338
MILLER	03-APR-15	23-JAN-82	12123.7338

14 rows selected.

SQL> ED

Wrote file afiedt.buf

- 1 SELECT
- 2 Ename,
- 3 SYSDATE Today,
- 4 HireDate,

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```
5 TRUNC (SYSDATE - HireDate) NDays,
  6* FROM Emp
SQL> /
FROM Emp
ERROR at line 6:
ORA-00936: missing expression
SQL> ED
Wrote file afiedt.buf
    SELECT
  2 Ename,
  3 SYSDATE Today,
  4 HireDate,
  5 TRUNC(SYSDATE - HireDate) NDays
  6* FROM Emp
SOL> /
ENAME
         TODAY HIREDATE
                                  NDAYS
         03-APR-15 17-NOV-81
                                  12190
BLAKE
                                  12390
         03-APR-15 01-MAY-81
                                  12351
         03-APR-15 09-JUN-81
CLARK
         03-APR-15 02-APR-81
JONES
                                  12419
         03-APR-15 28-SEP-81
MARTIN
                                  12240
         03-APR-15 20-FEB-81
ALLEN
                                  12460
                                 12260
TURNER
         03-APR-15 08-SEP-81
JAMES
         03-APR-15 03-DEC-81
                                  12174
WARD
         03-APR-15 22-FEB-81
                                 12458
         03-APR-15 03-DEC-81
FORD
                                 12174
         03-APR-15 17-DEC-80
SMITH
                                 12525
SCOTT
         03-APR-15 09-DEC-82
                                  11803
         03-APR-15 12-JAN-83
ADAMS
                                  11769
         03-APR-15 23-JAN-82
MILLER
                                 12123
14 rows selected.
SQL> ED
Wrote file afiedt.buf
    SELECT
    Ename,
    SYSDATE Today,
   HireDate,
   TRUNC(SYSDATE - HireDate) NDays,
  6 TRUNC((SYSDATE - HireDate) / 365) NYears
  7* FROM Emp
SQL> /
ENAME
          TODAY
                   HIREDATE
                                  NDAYS
                                            NYEARS
```

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KING	03-APR-15	17-NOV-81	12190	33
BLAKE	03-APR-15	01-MAY-81	12390	33
CLARK	03-APR-15	09-JUN-81	12351	33
JONES	03-APR-15	02-APR-81	12419	34
MARTIN	03-APR-15	28-SEP-81	12240	33
ALLEN	03-APR-15	20-FEB-81	12460	34
TURNER	03-APR-15	08-SEP-81	12260	33
JAMES	03-APR-15	03-DEC-81	12174	33
WARD	03-APR-15	22-FEB-81	12458	34
FORD	03-APR-15	03-DEC-81	12174	33
SMITH	03-APR-15	17-DEC-80	12525	34
SCOTT	03-APR-15	09-DEC-82	11803	32
ADAMS	03-APR-15	12-JAN-83	11769	32
MILLER	03-APR-15	23-JAN-82	12123	33

14 rows selected.

SOL> ED

Wrote file afiedt.buf

- 1 SELECT
- 2 Ename,
- 3 SYSDATE Today,
- 4 HireDate,
- 5 TRUNC (SYSDATE HireDate) NDays,
- 6 TRUNC((SYSDATE HireDate) / 365) NYears
- 7 FROM Emp
- 8* WHERE TRUNC((SYSDATE HireDate) / 365) > 33
 SOL> /

ENAME	TODAY	HIREDATE	NDAYS	NYEARS
JONES	03-APR-15	02-APR-81	12419	34
ALLEN	03-APR-15	20-FEB-81	12460	34
WARD	03-APR-15	22-FEB-81	12458	34
SMITH	03-APR-15	17-DEC-80	12525	34

SQL> cl scr

SQL> SELECT

- 2 SYSDATE, SYSDATE + 90 "90Days"
- 3 FROM DUAL;

SQL> SPOOL OFF

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