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

no rows selected

SQL> SELECT Empno, Ename, Job, Sal, Deptno
  2  FROM Emp
  3  WHERE Job = UPPER('manager');

EMPNO ENAME      JOB           SAL DEPTNO
----- ---------- ---------- ----- ------
 7566 JONES      MANAGER     2975     20
 7698 BLAKE      MANAGER     2850     30
 7782 CLARK      MANAGER     2450     10

SQL> ED
Wrote file afiedt.buf

  1  SELECT Empno, LOWER(Ename) Ename, INITCAP(Job) Job, Sal, Deptno
  2  FROM Emp
  3* WHERE Job = UPPER('manager')
SQL> /

EMPNO ENAME      JOB           SAL DEPTNO
----- ---------- ---------- ----- ------
 7566 jones      Manager     2975     20
 7698 blake      Manager     2850     30
 7782 clark      Manager     2450     10

SQL> ed
Wrote file afiedt.buf

  1  SELECT Empno, LOWER(Ename) Ename, INITCAP(Job) Job, Sal, Deptno
  2  FROM Emp
  3* WHERE LOWER(Job) = 'manager'
SQL> /

EMPNO ENAME      JOB           SAL DEPTNO
----- ---------- ---------- ----- ------
 7566 jones      Manager     2975     20
 7698 blake      Manager     2850     30
 7782 clark      Manager     2450     10

SQL> SELCT Empno, UPPER(Ename) Ename, Job, Sal, Deptno
SP2-0734: unknown command beginning "SELCT Empn..." - rest of line
ignored.
SQL> SELECT Empno, UPPER(Ename) Ename, Job, Sal, Deptno
  2  FROM Emp
  3  /

EMPNO ENAME      JOB           SAL DEPTNO
----- ---------- ---------- ----- ------
 7369 SMITH      CLERK         800     20
```

```
 7499 ALLEN      SALESMAN    1600     30
 7521 WARD       SALESMAN    1250     30
 7566 JONES      MANAGER     2975     20
 7654 MARTIN     SALESMAN    1250     30
 7698 BLAKE      MANAGER     2850     30
 7782 CLARK      MANAGER     2450     10
 7788 SCOTT      ANALYST     3000     20
 7839 KING       PRESIDENT   5000     10
 7844 TURNER     SALESMAN    1500     30
 7876 ADAMS      CLERK       1100     20

EMPNO ENAME      JOB           SAL DEPTNO
----- ---------- ---------- ----- ------
 7900 JAMES      CLERK         950     30
 7902 FORD       ANALYST      3000     20
 7934 MILLER     CLERK        1300     10

14 rows selected.

SQL> --CONCAT Function--
SQL> SELECT
  2  CONCAT('Oracle', ' Corporation') Sample_Data
  3  FROM DUAL;

SAMPLE_DATA
------------------
Oracle Corporation

SQL> SELECT
  2  CONCAT(Ename, CONCAT('''s Designation is ', Job)) Emp_Info
  3  FROM Emp
  4  WHERE Job = 'SALESMAN';

EMP_INFO
-----------------------------------
ALLEN's Designation is SALESMAN
WARD's Designation is SALESMAN
MARTIN's Designation is SALESMAN
TURNER's Designation is SALESMAN

SQL> ed
Wrote file afiedt.buf

  1  SELECT
  2  CONCAT(Ename, CONCAT('''s Designation is ', INITCAP(Job))) Emp_Info
  3  FROM Emp
  4* WHERE Job = 'SALESMAN'
SQL> /

EMP_INFO
-----------------------------------
ALLEN's Designation is Salesman
WARD's Designation is Salesman
MARTIN's Designation is Salesman
```

```
TURNER's Designation is Salesman

SQL> --SUBSTR Function--
SQL> SELECT
  2  'ABCDEFGHI'  Org_String,
  3  SUBSTR('ABCDEFGHI', 0,4) Substring
  4  FROM DUAL;

ORG_STRIN SUBS
--------- ----
ABCDEFGHI ABCD

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'ABCDEFGHI'  Org_String,
  3  SUBSTR('ABCDEFGHI', 1,4) Substring
  4* FROM DUAL
SQL> /

ORG_STRIN SUBS
--------- ----
ABCDEFGHI ABCD

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'ABCDEFGHI'  Org_String,
  3  SUBSTR('ABCDEFGHI', 4,3) Substring
  4* FROM DUAL
SQL> /

ORG_STRIN SUB
--------- ---
ABCDEFGHI DEF

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'ABCDEFGHI'  Org_String,
  3  SUBSTR('ABCDEFGHI', -4,4) Substring
  4* FROM DUAL
SQL> /

ORG_STRIN SUBS
--------- ----
ABCDEFGHI FGHI

SQL> ED
Wrote file afiedt.buf
```

```
  1  SELECT
  2  'ABCDEFGHI'  Org_String,
  3  SUBSTR('ABCDEFGHI', 6) Substring
  4* FROM DUAL
SQL> /

ORG_STRIN SUBS
--------- ----
ABCDEFGHI FGHI

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'ABCDEFGHI'  Org_String,
  3  SUBSTR('ABCDEFGHI', 2) Substring
  4* FROM DUAL
SQL> /

ORG_STRIN SUBSTRIN
--------- --------
ABCDEFGHI BCDEFGHI

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'ABCDEFGHI'  Org_String,
  3  SUBSTR('ABCDEFGHI', 2,-4) Substring
  4* FROM DUAL
SQL> /

ORG_STRIN S
--------- -
ABCDEFGHI

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'ABCDEFGHI'  Org_String,
  3  SUBSTR('ABCDEFGHI', 1,-4) Substring
  4* FROM DUAL
SQL> /

ORG_STRIN S
--------- -
ABCDEFGHI

SQL> SELECT
  2  CONCAT(
  3  ENAME, CONCAT('''s Designation is ',
  4           CONCAT(Job,
  5      CONCAT(' Working for Department ' , Deptno))))  Emp_Info
```

```
  6  FROM Emp;

EMP_INFO
--------------------------------------------------------------------------
-------
SMITH's Designation is CLERK Working for Department 20
ALLEN's Designation is SALESMAN Working for Department 30
WARD's Designation is SALESMAN Working for Department 30
JONES's Designation is MANAGER Working for Department 20
MARTIN's Designation is SALESMAN Working for Department 30
BLAKE's Designation is MANAGER Working for Department 30
CLARK's Designation is MANAGER Working for Department 10
SCOTT's Designation is ANALYST Working for Department 20
KING's Designation is PRESIDENT Working for Department 10
TURNER's Designation is SALESMAN Working for Department 30
ADAMS's Designation is CLERK Working for Department 20

EMP_INFO
--------------------------------------------------------------------------
-------
JAMES's Designation is CLERK Working for Department 30
FORD's Designation is ANALYST Working for Department 20
MILLER's Designation is CLERK Working for Department 10

14 rows selected.

SQL> SELECT
  2  'ABCDEFGHI'  Org_String,
  3  SUBSTR('ABCDEFGHI', 4.5,5.6) Substring
  4  FROM DUAL;

ORG_STRIN SUBST
--------- -----
ABCDEFGHI DEFGH

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'ABCDEFGHI'  Org_String,
  3  SUBSTR('ABCDEFGHI', 4,0) Substring
  4* FROM DUAL
SQL> /

ORG_STRIN S
--------- -
ABCDEFGHI

SQL> SELECT
  2  'ABCDEFGHI'  Org_String,
  3  SUBSTR('ABCDEFGHI', 4, -5) Substring
  4  FROM DUAL;
```

```
ORG_STRIN S
--------- -
ABCDEFGHI

SQL>  SELECT
  2   'ABCDEFGHI'  Org_String,
  3  NVL(SUBSTR('ABCDEFGHI', 4,0),'Fatal Error!, Please Check The
Inputs') Substring
  4  FROM DUAL;

ORG_STRIN SUBSTRING
--------- -----------------------------------
ABCDEFGHI Fatal Error!, Please Check The Inputs

SQL> SELECT
  2  'ABCDEFGHI'  Org_String,
  3  NVL(SUBSTR('ABCDEFGHI', 4, -5), 'Fatal Error!, Please Check The
Inputs') Substring
  4  FROM DUAL;

ORG_STRIN SUBSTRING
--------- -----------------------------------
ABCDEFGHI Fatal Error!, Please Check The Inputs

SQL> --LENGTH  Function--
SQL> SELECT
  2  'Oracle' String01,
  3  LENGTH('Oracle') String02
  4  FROM DUAL;

STRING   STRING02
------ ----------
Oracle          6

SQL> SELECT
  2  Ename||' Your Name Contains '||LENGTH(Ename)||' of Characters'
EnameLen
  3  FROM Emp;

ENAMELEN
--------------------------------------------------------------------------
-------
SMITH Your Name Contains 5 of Characters
ALLEN Your Name Contains 5 of Characters
WARD Your Name Contains 4 of Characters
JONES Your Name Contains 5 of Characters
MARTIN Your Name Contains 6 of Characters
BLAKE Your Name Contains 5 of Characters
CLARK Your Name Contains 5 of Characters
SCOTT Your Name Contains 5 of Characters
KING Your Name Contains 4 of Characters
TURNER Your Name Contains 6 of Characters
ADAMS Your Name Contains 5 of Characters
```

```
ENAMELEN
--------------------------------------------------------------------------
-------
JAMES Your Name Contains 5 of Characters
FORD Your Name Contains 4 of Characters
MILLER Your Name Contains 6 of Characters

14 rows selected.

SQL> SELECT
  2  Ename||' Your Name Contains '||LENGTH(Ename)||' of Characters Data.'
EnameLen
  3  FROM Emp;

ENAMELEN
--------------------------------------------------------------------------
-------
SMITH Your Name Contains 5 of Characters Data.
ALLEN Your Name Contains 5 of Characters Data.
WARD Your Name Contains 4 of Characters Data.
JONES Your Name Contains 5 of Characters Data.
MARTIN Your Name Contains 6 of Characters Data.
BLAKE Your Name Contains 5 of Characters Data.
CLARK Your Name Contains 5 of Characters Data.
SCOTT Your Name Contains 5 of Characters Data.
KING Your Name Contains 4 of Characters Data.
TURNER Your Name Contains 6 of Characters Data.
ADAMS Your Name Contains 5 of Characters Data.

ENAMELEN
--------------------------------------------------------------------------
-------
JAMES Your Name Contains 5 of Characters Data.
FORD Your Name Contains 4 of Characters Data.
MILLER Your Name Contains 6 of Characters Data.

14 rows selected.

SQL> SELECT
  2  'Oracle Corporation' String01,
  3  LENGTH('Oracle Corporation') String02
  4  FROM DUAL;

STRING01             STRING02
-------------------- ----------
Oracle Corporation         18

SQL> SELECT
  2  ENAME, Job, SUBSTR(Job, 1,3) SubJob, Sal, Deptno,
  3  FROM Emp;
FROM Emp
*
ERROR at line 3:
ORA-00936: missing expression
```

```
SQL> SELECT
  2  ENAME, Job, SUBSTR(Job, 1,3) SubJob, Sal, Deptno
  3  FROM Emp;

ENAME      JOB        SUB   SAL DEPTNO
---------- ---------- --- ----- ------
SMITH      CLERK      CLE   800     20
ALLEN      SALESMAN   SAL  1600     30
WARD       SALESMAN   SAL  1250     30
JONES      MANAGER    MAN  2975     20
MARTIN     SALESMAN   SAL  1250     30
BLAKE      MANAGER    MAN  2850     30
CLARK      MANAGER    MAN  2450     10
SCOTT      ANALYST    ANA  3000     20
KING       PRESIDENT  PRE  5000     10
TURNER     SALESMAN   SAL  1500     30
ADAMS      CLERK      CLE  1100     20

ENAME      JOB        SUB   SAL DEPTNO
---------- ---------- --- ----- ------
JAMES      CLERK      CLE   950     30
FORD       ANALYST    ANA  3000     20
MILLER     CLERK      CLE  1300     10

14 rows selected.

SQL> cl scr

SQL> --INSTR Function--
SQL> SELECT
  2  'STRINGRING'  Org_String,
  3  INSTR('STRINGRING', 'R', 1,1) INSTRING
  4  FROM DUAL;

ORG_STRING   INSTRING
---------- ----------
STRINGRING          3

SQL> SELECT
  2  'STRINGRING'  Org_String,
  3  INSTR('STRINGRING', 'R', 1,3) INSTRING
  4  FROM DUAL;

ORG_STRING   INSTRING
---------- ----------
STRINGRING          0

SQL> SELECT
  2  'STRINGRING'  Org_String,
  3  INSTR('STRINGRING', 'R', -2,1) INSTRING
  4  FROM DUAL;
```

```
ORG_STRING   INSTRING
---------- ----------
STRINGRING          7

SQL> SELECT
  2  'ORACLE COROPORATION' Org_String
  3  ,
  4  INSTR('ORACLE COROPORATION', 'R', -2, 2) INSTRING
  5  FROM DUAL;

ORG_STRING           INSTRING
-------------------- ----------
ORACLE COROPORATION         10

SQL> SELECT
  2  'ORACLE COROPORATION' Org_String,
  3  INSTR('ORACLE COROPORATION', 'OR', 1, 2) INSTRING
  4  FROM DUAL;

ORG_STRING           INSTRING
-------------------- ----------
ORACLE COROPORATION          9

SQL> --'ORACLE_CORPORATION'--
SQL> SELECT
  2  'ORACLE_CORPORATION' Org_String,
  3  SUBSTR('ORACLE_CORPORATION',1, INSTR('ORACLE_CORPORATION', '_
  4  ',1,1) -1) 'Oracle'
  5  FROM DUAL;
',1,1) -1) 'Oracle'
          *
ERROR at line 4:
ORA-00923: FROM keyword not found where expected


SQL> ed
Wrote file afiedt.buf

  1  SELECT
  2  'ORACLE_CORPORATION' Org_String,
  3  SUBSTR('ORACLE_CORPORATION',1, INSTR('ORACLE_CORPORATION', '_',1,1)
-1) Oracle
  4* FROM DUAL
SQL> /

ORG_STRING         ORACLE
------------------ ------
ORACLE_CORPORATION ORACLE

SQL> SELECT
  2  'ORACLE_CORPORATION' Org_String,
  3  SUBSTR('ORACLE_CORPORATION',1, INSTR('ORACLE_CORPORATION', '_',1,1)
-1) Oracle,
```

```
  4  SUBSTR('ORACLE_CORPORATION', INSTR('ORACLE_CORPORATION', '_',1,1)
+1) Corporation
  5  FROM DUAL;

ORG_STRING         ORACLE CORPORATION
------------------ ------ -----------
ORACLE_CORPORATION ORACLE CORPORATION

SQL> SET VERIFY OFF
SQL> SELECT
  2  '&GiveString01' Org_String,
  3  SUBSTR('&GiveString02',1, INSTR('&GiveString03', '_',1,1) -1)
String01,
  4  SUBSTR('&GiveString04', INSTR('&GiveString05', '_',1,1) +1) String02
  5  FROM DUAL;
Enter value for givestring01: BALRAM_REDDY
Enter value for givestring02: BALRAM_REDDY
Enter value for givestring03: BALRAM_REDDY
Enter value for givestring04: BALRAM_REDDY
Enter value for givestring05: BALRAM_REDDY

ORG_STRING   STRING STRIN
------------ ------ -----
BALRAM_REDDY BALRAM REDDY

SQL> /
Enter value for givestring01: AUSTRALIA_CONTINENT
Enter value for givestring02: AUSTRALIA_CONTINENT
Enter value for givestring03: AUSTRALIA_CONTINENT
Enter value for givestring04: AUSTRALIA_CONTINENT
Enter value for givestring05: AUSTRALIA_CONTINENT

ORG_STRING          STRING01  STRING02
------------------- --------- ---------
AUSTRALIA_CONTINENT AUSTRALIA CONTINENT


SQL> --Padding Functions--
SQL> SELECT
  2  'PAGE 1' STRING1,
  3  LPAD('PAGE 1',15,'*.') LPAD
  4  FROM DUAL;

STRING LPAD
------ ---------------
PAGE 1 *.*.*.*.*.*PAGE 1

SQL> SELECT
  2  'PAGE 1' STRING1,
  3  LPAD('PAGE 1',15) LPAD
  4  FROM DUAL;

STRING LPAD
------ ---------------
```

```
PAGE 1          PAGE 1

SQL> SELECT Ename, LPAD(Ename, 10, '-') Lpadded
  2  FROM Emp;

ENAME      LPADDED
---------- ----------
SMITH      -----SMITH
ALLEN      -----ALLEN
WARD       ------WARD
JONES      -----JONES
MARTIN     ----MARTIN
BLAKE      -----BLAKE
CLARK      -----CLARK
SCOTT      -----SCOTT
KING       ------KING
TURNER     ----TURNER
ADAMS      -----ADAMS
JAMES      -----JAMES
FORD       ------FORD
MILLER     ----MILLER

14 rows selected.

SQL> SELECT
  2  'PAGE 1' STRING1,
  3  RPAD('PAGE 1',15,'*.') RPAD
  4  FROM DUAL;

STRING RPAD
------ ---------------
PAGE 1 PAGE 1*.*.*.*.*

SQL> SELECT
  2  'PAGE 1' STRING1,
  3  RPAD('PAGE 1',15) RPAD
  4  FROM DUAL;

STRING RPAD
------ ---------------
PAGE 1 PAGE 1

SQL> SELECT Ename, RPAD(Ename, 10, '-') Rpadded
  2  FROM Emp;

ENAME      RPADDED
---------- ----------
SMITH      SMITH-----
ALLEN      ALLEN-----
WARD       WARD------
JONES      JONES-----
MARTIN     MARTIN----
BLAKE      BLAKE-----
CLARK      CLARK-----
```

```
SCOTT      SCOTT-----
KING       KING------
TURNER     TURNER----
ADAMS      ADAMS-----
JAMES      JAMES-----
FORD       FORD------
MILLER     MILLER----

14 rows selected.

SQL> SELECT Ename, RPAD(Ename, 10) Rpadded
  2  FROM Emp;

ENAME      RPADDED
---------- ----------
SMITH      SMITH
ALLEN      ALLEN
WARD       WARD
JONES      JONES
MARTIN     MARTIN
BLAKE      BLAKE
CLARK      CLARK
SCOTT      SCOTT
KING       KING
TURNER     TURNER
ADAMS      ADAMS
JAMES      JAMES
FORD       FORD
MILLER     MILLER

14 rows selected.

SQL> SELECT Ename, LPAD(RPAD(Ename, 10, '-'), 15, '-') Rpadded
  2  FROM Emp;

ENAME      RPADDED
---------- ---------------
SMITH      -----SMITH-----
ALLEN      -----ALLEN-----
WARD       -----WARD------
JONES      -----JONES-----
MARTIN     -----MARTIN----
BLAKE      -----BLAKE-----
CLARK      -----CLARK-----
SCOTT      -----SCOTT-----
KING       -----KING------
TURNER     -----TURNER----
ADAMS      -----ADAMS-----
JAMES      -----JAMES-----
FORD       -----FORD------
MILLER     -----MILLER----

14 rows selected.
```

```
SQL> SELECT Ename, LPAD(RPAD(Ename, 10), 15) Rpadded
  2  FROM Emp;

ENAME      RPADDED
---------- ---------------
SMITH           SMITH
ALLEN           ALLEN
WARD            WARD
JONES           JONES
MARTIN          MARTIN
BLAKE           BLAKE
CLARK           CLARK
SCOTT           SCOTT
KING            KING
TURNER          TURNER
ADAMS           ADAMS
JAMES           JAMES
FORD            FORD
MILLER          MILLER

14 rows selected.

SQL> --Trimming Functions--
SQL> SELECT
  2  'xyzXyLAST WORD' OrgString,
  3  LTRIM('xyzXyLAST WORD','x') LTRIM
  4  FROM DUAL;

ORGSTRING      LTRIM
-------------- -------------
xyzXyLAST WORD yzXyLAST WORD

SQL> SELECT
  2  'xyzXyLAST WORD' OrgString,
  3  LTRIM('xyzXyLAST WORD','X') LTRIM
  4  FROM DUAL;

ORGSTRING      LTRIM
-------------- --------------
xyzXyLAST WORD xyzXyLAST WORD

SQL> SELECT
  2  'xyzXyLAST WORD' OrgString,
  3  LTRIM('xyzXyLAST WORD','xzyx') LTRIM
  4  FROM DUAL;

ORGSTRING      LTRIM
-------------- -----------
xyzXyLAST WORD XyLAST WORD

SQL> SELECT
  2  'xyzXyLAST WORD' OrgString,
  3  LTRIM('xyzXyLAST WORD','Xzyx') LTRIM
  4  FROM DUAL;
```

```
ORGSTRING      LTRIM
-------------- ---------
xyzXyLAST WORD LAST WORD

SQL> SELECT
  2  '      LAST WORD' ORGSTRING,
  3  LTRIM('      LAST WORD') LTRIM
  4  FROM DUAL;

ORGSTRING       LTRIM
--------------- ---------
      LAST WORD LAST WORD

SQL> SELECT
  2  'BROWNINGyxXxy' ORGSTRING,
  3  RTRIM('BROWNINGyxXxy','x') RTRIM
  4  FROM DUAL;

ORGSTRING     RTRIM
------------- -------------
BROWNINGyxXxy BROWNINGyxXxy

SQL> SELECT
  2  'BROWNINGyxXxy' ORGSTRING,
  3  RTRIM('BROWNINGyxXxy','xXy') RTRIM
  4  FROM DUAL;

ORGSTRING     RTRIM
------------- --------
BROWNINGyxXxy BROWNING

SQL> SELECT
  2  'BROWNING   ' ORGSTRING,
  3  RTRIM('BROWNING   ') RTRIM
  4  FROM DUAL;

ORGSTRING   RTRIM
----------- --------
BROWNING    BROWNING

SQL> SELECT
  2  'MITHSS' STRING1,
  3  TRIM('S' FROM  'MITHSS') TRIMMED
  4  FROM DUAL;

STRING TRIM
------ ----
MITHSS MITH

SQL> SELECT
  2  'MITHSS' STRING1,
  3  TRIM(LEADING 'S' FROM  'SSMITHSS') TRIMMED
  4  FROM DUAL;
```

```
STRING TRIMME
------ ------
MITHSS MITHSS

SQL> SELECT
  2  'MITHSS' STRING1,
  3  TRIM(TRAILING 'S' FROM  'SSMITHSS') TRIMMED
  4  FROM DUAL;

STRING TRIMME
------ ------
MITHSS SSMITH

SQL> SELECT
  2  'MITHSS' STRING1,
  3  TRIM(BOTH 'S' FROM  'SSMITHSS') TRIMMED
  4  FROM DUAL;

STRING TRIM
------ ----
MITHSS MITH

SQL> SELECT
  2  'SSMITH' STRING1,
  3  TRIM('SM' FROM  'SSMISTH') TRIMMED
  4  FROM DUAL;
TRIM('SM' FROM  'SSMISTH') TRIMMED
*
ERROR at line 3:
ORA-30001: trim set should have only one character


SQL> SELECT
  2  '    MITH    ' STRING1,
  3  TRIM('    MITH    ') TRIMMED
  4  FROM DUAL;

STRING1      TRIM
------------ ----
    MITH     MITH

SQL> SELECT
  2  '    MITH    ' STRING1,
  3  LTRIM(RTRIM('    MITH    ')) TRIMMED
  4  FROM DUAL;

STRING1      TRIM
------------ ----
    MITH     MITH

SQL> SELECT
  2  'JACK AND JUE' STRING1,
  3  REPLACE('JACK AND JUE','J','BL') REPLACE
```

```
  4  FROM DUAL;

STRING1      REPLACE
------------ --------------
JACK AND JUE BLACK AND BLUE

SQL> SELECT
  2  'JACK AND JUE' STRING1,
  3  REPLACE('JACK AND JUE','J') REPLACE
  4  FROM DUAL;

STRING1      REPLACE
------------ ----------
JACK AND JUE ACK AND UE

SQL> SELECT
  2  'JACK AND JUE' ORGSTR,
  3  LENGTH('JACK AND JUE')-LENGTH(REPLACE('JACK AND JUE','J')) "NO. OF
J's"
  4  FROM DUAL;

ORGSTR       NO. OF J's
------------ ----------
JACK AND JUE          2

SQL> --Write a Query Which Returns the Details of the Employees, Who Are
Having "A" Definitely Two Times in Their Names
SQL> SELECT
  2  Ename,
  3  Deptno,
  4  Job,
  5  Sal
  6  FROM Emp
  7  WHERE LENGTH(Ename) - LENGTH(REPLACE(Ename, 'A')) = 2;

ENAME          DEPTNO JOB              SAL
---------- ---------- --------- ----------
ADAMS              20 CLERK           1100

SQL> SELECT
  2  Ename,
  3  Deptno,
  4  Job,
  5  Sal
  6  FROM Emp
  7  WHERE Ename LIKE '%A%A%';

ENAME          DEPTNO JOB              SAL
---------- ---------- --------- ----------
ADAMS              20 CLERK           1100

SQL> SELECT
  2  ENAME,
  3  REPLACE(JOB,'MAN','DAM') REPLACE
```

```
  4  FROM EMP
  5  WHERE JOB='MANAGER';

ENAME      REPLACE
---------- ----------------------------
JONES      DAMAGER
BLAKE      DAMAGER
CLARK      DAMAGER

SQL> SELECT
  2  ENAME,
  3  REPLACE(JOB,'MAN') REPLACE
  4  FROM EMP
  5  WHERE JOB='MANAGER';

ENAME      REPLACE
---------- ---------
JONES      AGER
BLAKE      AGER
CLARK      AGER

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> COL REPLACE FORMAT A16
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> SELECT
  2  ENAME,
  3  JOB,
  4  REPLACE(JOB,'MAN',' EXECUTIVE') REPLACE
  5  FROM EMP
  6  WHERE JOB='SALESMAN';

ENAME      JOB       REPLACE
---------- --------- ----------------
ALLEN      SALESMAN  SALES EXECUTIVE
```

```
WARD       SALESMAN  SALES EXECUTIVE
MARTIN     SALESMAN  SALES EXECUTIVE
TURNER     SALESMAN  SALES EXECUTIVE

SQL> --TRANSLATE Function--
SQL> SELECT
  2  ENAME,
  3  JOB,
  4  TRANSLATE(JOB,'P') REPLACE
  5  FROM EMP
  6  WHERE JOB='PRESIDENT';
TRANSLATE(JOB,'P') REPLACE
*
ERROR at line 4:
ORA-00909: invalid number of arguments


SQL> SELECT
  2  ENAME,
  3  JOB,
  4  TRANSLATE(JOB,'P',' ') REPLACE
  5  FROM EMP
  6  WHERE JOB='PRESIDENT';

ENAME      JOB       REPLACE
---------- --------- ----------------
KING       PRESIDENT  RESIDENT

SQL> SELECT
  2  ENAME,
  3  JOB,
  4  TRANSLATE(JOB,'MN','DM') REPLACE
  5  FROM EMP
  6  WHERE JOB='MANAGER';

ENAME      JOB       REPLACE
---------- --------- ----------------
JONES      MANAGER   DAMAGER
BLAKE      MANAGER   DAMAGER
CLARK      MANAGER   DAMAGER

SQL> SELECT
  2  ENAME,
  3  JOB,
  4  TRANSLATE(JOB,'MN','D') REPLACE
  5  FROM EMP
  6  WHERE JOB='MANAGER';

ENAME      JOB       REPLACE
---------- --------- ----------------
JONES      MANAGER   DAAGER
BLAKE      MANAGER   DAAGER
CLARK      MANAGER   DAAGER
```

```
SQL> --CHR Function--
SQL> SELECT
  2  'THE DATA IS :'||CHR(67)||CHR(65)||CHR(84)  SAMPLE
  3  FROM DUAL;

SAMPLE
---------------
THE DATA IS :CAT

SQL> SELECT * FROM EMP
  2  WHERE EMPNO=7839;

     EMPNO ENAME      JOB              MGR HIREDATE         SAL
COMM     DEPTNO
---------- ---------- --------- ---------- --------- ---------- ---------
- ----------
      7839 KING       PRESIDENT            17-NOV-81       5000
10

SQL> SELECT
  2  'The Employee Number is :'||Empno||CHR(10)||
  3  'The Employee Name  is :'||INITCAP(Ename)||CHR(10)||
  4  'The Employee  Designation is :'||INITCAP(Job)||CHR(10)||
  5  'The Employee Managerial Number is :'||NVL(TO_CHAR(MGR), 'Not
Available')||CHR(10)||
  6  'The Employee Basic Salary is :'||Sal||CHR(10)||
  7  'The Employee Commission is :'||NVL(TO_CHAR(Comm), 'Not
Applicable')||CHR(10)||
  8  'The Employee Works For Department :'||Deptno "EmpInfo"
  9  FROM Emp
 10  WHERE Empno = &GiveEmpno;
Enter value for giveempno: 7839
old  10: WHERE Empno = &GiveEmpno
new  10: WHERE Empno = 7839

EmpInfo
--------------------------------------------------------------------------------
-----------------------------------------------
The Employee Number is :7839
The Employee Name  is :King
The Employee  Designation is :President
The Employee Managerial Number is :Not Available
The Employee Basic Salary is :5000
The Employee Commission is :Not Applicable
The Employee Works For Department :10


SQL> /
Enter value for giveempno: 7654
old  10: WHERE Empno = &GiveEmpno
new  10: WHERE Empno = 7654

EmpInfo
```

```
--------------------------------------------------------------------------------
----------------------------------------------
The Employee Number is :7654
The Employee Name  is :Martin
The Employee  Designation is :Salesman
The Employee Managerial Number is :7698
The Employee Basic Salary is :1250
The Employee Commission is :1400
The Employee Works For Department :30


SQL> /
Enter value for giveempno: 7788
old  10: WHERE Empno = &GiveEmpno
new  10: WHERE Empno = 7788

EmpInfo
--------------------------------------------------------------------------------
----------------------------------------------
The Employee Number is :7788
The Employee Name  is :Scott
The Employee  Designation is :Analyst
The Employee Managerial Number is :7566
The Employee Basic Salary is :3000
The Employee Commission is :Not Applicable
The Employee Works For Department :20


SQL> SET VERIFY OFF
SQL> /
Enter value for giveempno: 7903

no rows selected

SQL> /
Enter value for giveempno: 7788

EmpInfo
--------------------------------------------------------------------------------
----------------------------------------------
The Employee Number is :7788
The Employee Name  is :Scott
The Employee  Designation is :Analyst
The Employee Managerial Number is :7566
The Employee Basic Salary is :3000
The Employee Commission is :Not Applicable
The Employee Works For Department :20


SQL> SPOOL OFF


Spool File For Oracle Students Prepared By Mr. Balram Reddy
```