```
SQL> SELECT
  2   'TODAY IS :'||SYSDATE||TO_CHAR(SYSDATE,'B.C.') TODAY
  3   FROM DUAL;

TODAY
-----------------------
TODAY IS :08-JUL-20A.D.

SQL> SELECT
  2   ENAME,
  3   HIREDATE,
  4   TO_CHAR(HIREDATE,'B.C.') HIREDATE
  5   FROM EMP;

ENAME      HIREDATE  HIRE
---------- --------- ----
ALLEN      20-FEB-81 A.D.
WARD       22-FEB-81 A.D.
MARTIN     28-SEP-81 A.D.
BLAKE      01-MAY-81 A.D.
TURNER     08-SEP-81 A.D.
JAMES      03-DEC-81 A.D.
SMITH      17-DEC-80 A.D.
JONES      02-APR-81 A.D.
CLARK      09-JUN-81 A.D.
SCOTT      19-APR-87 A.D.
KING       17-NOV-81 A.D.
ADAMS      23-MAY-87 A.D.
FORD       03-DEC-81 A.D.
MILLER     23-JAN-82 A.D.

14 rows selected.

SQL> SELECT
  2   ENAME,
  3   HIREDATE||TO_CHAR(HIREDATE,'B.C.') HIREDATE
  4   FROM EMP;

ENAME      HIREDATE
---------- -------------
ALLEN      20-FEB-81A.D.
WARD       22-FEB-81A.D.
MARTIN     28-SEP-81A.D.
BLAKE      01-MAY-81A.D.
TURNER     08-SEP-81A.D.
JAMES      03-DEC-81A.D.
SMITH      17-DEC-80A.D.
JONES      02-APR-81A.D.
CLARK      09-JUN-81A.D.
SCOTT      19-APR-87A.D.
KING       17-NOV-81A.D.
ADAMS      23-MAY-87A.D.
FORD       03-DEC-81A.D.
```

```
MILLER       23-JAN-82A.D.

14 rows selected.

SQL> SELECT
  2    'TODAY IS :'||SYSDATE||TO_CHAR(SYSDATE,'CC, BC') TODAY
  3    FROM DUAL;

TODAY
-------------------------
TODAY IS :08-JUL-2021, AD

SQL> SELECT
  2    ENAME,
  3    HIREDATE||TO_CHAR(HIREDATE, ' "CENTURY : " CC, B.C.') HIREDATE
  4    FROM EMP;

ENAME      HIREDATE
---------- ------------------------------
ALLEN      20-FEB-81 CENTURY :  20, A.D.
WARD       22-FEB-81 CENTURY :  20, A.D.
MARTIN     28-SEP-81 CENTURY :  20, A.D.
BLAKE      01-MAY-81 CENTURY :  20, A.D.
TURNER     08-SEP-81 CENTURY :  20, A.D.
JAMES      03-DEC-81 CENTURY :  20, A.D.
SMITH      17-DEC-80 CENTURY :  20, A.D.
JONES      02-APR-81 CENTURY :  20, A.D.
CLARK      09-JUN-81 CENTURY :  20, A.D.
SCOTT      19-APR-87 CENTURY :  20, A.D.
KING       17-NOV-81 CENTURY :  20, A.D.
ADAMS      23-MAY-87 CENTURY :  20, A.D.
FORD       03-DEC-81 CENTURY :  20, A.D.
MILLER     23-JAN-82 CENTURY :  20, A.D.

14 rows selected.

SQL> SELECT
  2    'TODAY IS :'||TO_CHAR(SYSDATE,'DAY ')||SYSDATE||TO_CHAR(SYSDATE,
'"CENTURY :" CC, B.C.') TODAY
  3    FROM DUAL;

TODAY
---------------------------------------------
TODAY IS : WEDNESDAY 08-JUL-20CENTURY : 21, A.D.

SQL> SELECT
  2    'TODAY IS : '||TRIM(TO_CHAR(SYSDATE,'DAY, '))||SYSDATE||
  3    TO_CHAR(SYSDATE, ' "CENTURY : " CC, B.C.') TODAY
  4    FROM DUAL;

TODAY
-----------------------------------------------------
TODAY IS : WEDNESDAY,08-JUL-20 CENTURY :  21, A.D.
```

```
SQL> SELECT
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'DAY') WEEKDAY
  5  FROM EMP;

ENAME      HIREDATE  WEEKDAY
---------- --------- ---------
ALLEN      20-FEB-81 FRIDAY
WARD       22-FEB-81 SUNDAY
MARTIN     28-SEP-81 MONDAY
BLAKE      01-MAY-81 FRIDAY
TURNER     08-SEP-81 TUESDAY
JAMES      03-DEC-81 THURSDAY
SMITH      17-DEC-80 WEDNESDAY
JONES      02-APR-81 THURSDAY
CLARK      09-JUN-81 TUESDAY
SCOTT      19-APR-87 SUNDAY
KING       17-NOV-81 TUESDAY
ADAMS      23-MAY-87 SATURDAY
FORD       03-DEC-81 THURSDAY
MILLER     23-JAN-82 SATURDAY

14 rows selected.

SQL> SELECT
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'D-DY-DAY') WEEKDAY
  5  FROM EMP;

ENAME      HIREDATE  WEEKDAY
---------- --------- ---------------
ALLEN      20-FEB-81 6-FRI-FRIDAY
WARD       22-FEB-81 1-SUN-SUNDAY
MARTIN     28-SEP-81 2-MON-MONDAY
BLAKE      01-MAY-81 6-FRI-FRIDAY
TURNER     08-SEP-81 3-TUE-TUESDAY
JAMES      03-DEC-81 5-THU-THURSDAY
SMITH      17-DEC-80 4-WED-WEDNESDAY
JONES      02-APR-81 5-THU-THURSDAY
CLARK      09-JUN-81 3-TUE-TUESDAY
SCOTT      19-APR-87 1-SUN-SUNDAY
KING       17-NOV-81 3-TUE-TUESDAY
ADAMS      23-MAY-87 7-SAT-SATURDAY
FORD       03-DEC-81 5-THU-THURSDAY
MILLER     23-JAN-82 7-SAT-SATURDAY

14 rows selected.

SQL> SELECT
  2  ENAME,
```

```
   3  HIREDATE,
   4  TO_CHAR(HIREDATE,'D-DY-DAY') WEEKDAY
   5  FROM EMP
   6  WHERE TO_CHAR(HIREDATE,'DAY')='FRIDAY';

no rows selected

SQL> SELECT
   2  ENAME,
   3  HIREDATE,
   4  TO_CHAR(HIREDATE,'D-DY-DAY') WEEKDAY
   5  FROM EMP
   6  WHERE TRIM(TO_CHAR(HIREDATE,'DAY'))='FRIDAY';

ENAME       HIREDATE  WEEKDAY
---------- --------- ---------------
ALLEN       20-FEB-81 6-FRI-FRIDAY
BLAKE       01-MAY-81 6-FRI-FRIDAY

SQL> SELECT
   2  'THE CURRENT DAY IN THE MONTH IS :'||TO_CHAR(SYSDATE,'DD') MONTHDAY
   3  FROM DUAL;

MONTHDAY
------------------------------------
THE CURRENT DAY IN THE MONTH IS :08

SQL> SELECT
   2  ENAME,
   3  HIREDATE,
   4  TO_CHAR(HIREDATE,'DD') MONTHDAY
   5  FROM EMP;

ENAME       HIREDATE  MO
---------- --------- --
ALLEN       20-FEB-81 20
WARD        22-FEB-81 22
MARTIN      28-SEP-81 28
BLAKE       01-MAY-81 01
TURNER      08-SEP-81 08
JAMES       03-DEC-81 03
SMITH       17-DEC-80 17
JONES       02-APR-81 02
CLARK       09-JUN-81 09
SCOTT       19-APR-87 19
KING        17-NOV-81 17
ADAMS       23-MAY-87 23
FORD        03-DEC-81 03
MILLER      23-JAN-82 23

14 rows selected.

SQL> SELECT
```

```
  2   ENAME,
  3   HIREDATE,
  4   TO_CHAR(HIREDATE,'DD') MONTHDAY
  5   FROM EMP
  6   WHERE TO_CHAR(HIREDATE,'DD')>15;

ENAME        HIREDATE  MO
---------- --------- --
ALLEN        20-FEB-81 20
WARD         22-FEB-81 22
MARTIN       28-SEP-81 28
SMITH        17-DEC-80 17
SCOTT        19-APR-87 19
KING         17-NOV-81 17
ADAMS        23-MAY-87 23
MILLER       23-JAN-82 23

8 rows selected.

SQL> SELECT
  2   ENAME,
  3   HIREDATE,
  4   TO_CHAR(HIREDATE,'DD') MONTHDAY
  5   FROM EMP
  6   WHERE TO_CHAR(HIREDATE,'DD') BETWEEN 10 AND 20;

ENAME        HIREDATE  MO
---------- --------- --
ALLEN        20-FEB-81 20
SMITH        17-DEC-80 17
SCOTT        19-APR-87 19
KING         17-NOV-81 17

SQL> SELECT
  2   'THE CURRENT DAY IN THE YEAR  IS :'||TO_CHAR(SYSDATE,'DDD') YEARDAY
  3   FROM DUAL;

YEARDAY
-------------------------------------
THE CURRENT DAY IN THE YEAR  IS :190

SQL> SELECT
  2   ENAME,
  3   HIREDATE,
  4   TO_CHAR(HIREDATE,'DDD') YEARDAY
  5   FROM EMP
  6   WHERE TO_CHAR(HIREDATE,'DDD')>245;

ENAME        HIREDATE  YEA
---------- --------- ---
MARTIN       28-SEP-81 271
TURNER       08-SEP-81 251
JAMES        03-DEC-81 337
```

```
SMITH       17-DEC-80 352
KING        17-NOV-81 321
FORD        03-DEC-81 337

6 rows selected.

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> SELECT
  2  'THE CURRENT WEEK IN THIS YEAR IS :'||TO_CHAR(SYSDATE,'WW') YEARWEEK
  3  FROM DUAL;

YEARWEEK
------------------------------------
THE CURRENT WEEK IN THIS YEAR IS :15

SQL> SELECT
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'IW') YEARWEEK
  5  FROM EMP;

ENAME      HIREDATE  YE
---------- --------- --
ALLEN      20-FEB-81 08
WARD       22-FEB-81 08
MARTIN     28-SEP-81 40
BLAKE      01-MAY-81 18
TURNER     08-SEP-81 37
JAMES      03-DEC-81 49
SMITH      17-DEC-80 51
JONES      02-APR-81 14
CLARK      09-JUN-81 24
SCOTT      19-APR-87 16
KING       17-NOV-81 47
ADAMS      23-MAY-87 21
FORD       03-DEC-81 49
MILLER     23-JAN-82 03

14 rows selected.

SQL> SELECT
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'IW') YEARWEEK
  5  FROM EMP
  6  WHERE TO_CHAR(HIREDATE,'IW')>35;
```

```
ENAME       HIREDATE  YE
---------- --------- --
MARTIN     28-SEP-81 40
TURNER     08-SEP-81 37
JAMES      03-DEC-81 49
SMITH      17-DEC-80 51
KING       17-NOV-81 47
FORD       03-DEC-81 49

6 rows selected.

SQL> SELECT
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'IW') YEARWEEK
  5  FROM EMP
  6  WHERE TO_CHAR(HIREDATE,'IW') BETWEEN 1 AND 10;

ENAME       HIREDATE  YE
---------- --------- --
ALLEN      20-FEB-81 08
WARD       22-FEB-81 08
MILLER     23-JAN-82 03

SQL> SELECT
  2  'THE CURRENT YEAR IS :'||TO_CHAR(SYSDATE,'IYYY') YEAR
  3  FROM DUAL;

YEAR
------------------------
THE CURRENT YEAR IS :2020

SQL> SELECT
  2  'THE CURRENT YEAR IS :'||TO_CHAR(SYSDATE,'IYYY  B.C.') YEAR
  3  FROM DUAL;

YEAR
-----------------------------
THE CURRENT YEAR IS :2020  A.D.

SQL> SELECT
  2  'THE CURRENT YEAR IS :'||TO_CHAR(SYSDATE,'YYYY  B.C.') YEAR
  3  FROM DUAL;

YEAR
-----------------------------
THE CURRENT YEAR IS :2020  A.D.

SQL> SELECT
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'IYYY') YEAR
```

```
  5  FROM EMP;

ENAME      HIREDATE  YEAR
---------- --------- ----
ALLEN      20-FEB-81 1981
WARD       22-FEB-81 1981
MARTIN     28-SEP-81 1981
BLAKE      01-MAY-81 1981
TURNER     08-SEP-81 1981
JAMES      03-DEC-81 1981
SMITH      17-DEC-80 1980
JONES      02-APR-81 1981
CLARK      09-JUN-81 1981
SCOTT      19-APR-87 1987
KING       17-NOV-81 1981
ADAMS      23-MAY-87 1987
FORD       03-DEC-81 1981
MILLER     23-JAN-82 1982

14 rows selected.

SQL> SELECT
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'IYYY') YEAR
  5  FROM EMP
  6  WHERE TO_CHAR(HIREDATE,'IYYY')=1981;

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

10 rows selected.

SQL> SELECT
  2  'THIS YEAR IS :'||TO_CHAR(SYSDATE,'YYYY "(" YEAR, B.C. ")"') YEAR
  3  FROM DUAL
  4  /

YEAR
----------------------------------------------------------------------
THIS YEAR IS :2020 ( TWENTY TWENTY, A.D. )

SQL> SELECT
```

```
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'YYYY "("YEAR, CC, B.C.")"') YEAR
  5  FROM EMP;

ENAME        HIREDATE  YEAR
---------- --------- ------------------------------------------------------
-------
ALLEN        20-FEB-81 1981 (NINETEEN EIGHTY-ONE, 20, A.D.)
WARD         22-FEB-81 1981 (NINETEEN EIGHTY-ONE, 20, A.D.)
MARTIN       28-SEP-81 1981 (NINETEEN EIGHTY-ONE, 20, A.D.)
BLAKE        01-MAY-81 1981 (NINETEEN EIGHTY-ONE, 20, A.D.)
TURNER       08-SEP-81 1981 (NINETEEN EIGHTY-ONE, 20, A.D.)
JAMES        03-DEC-81 1981 (NINETEEN EIGHTY-ONE, 20, A.D.)
SMITH        17-DEC-80 1980 (NINETEEN EIGHTY, 20, A.D.)
JONES        02-APR-81 1981 (NINETEEN EIGHTY-ONE, 20, A.D.)
CLARK        09-JUN-81 1981 (NINETEEN EIGHTY-ONE, 20, A.D.)
SCOTT        19-APR-87 1987 (NINETEEN EIGHTY-SEVEN, 20, A.D.)
KING         17-NOV-81 1981 (NINETEEN EIGHTY-ONE, 20, A.D.)
ADAMS        23-MAY-87 1987 (NINETEEN EIGHTY-SEVEN, 20, A.D.)
FORD         03-DEC-81 1981 (NINETEEN EIGHTY-ONE, 20, A.D.)
MILLER       23-JAN-82 1982 (NINETEEN EIGHTY-TWO, 20, A.D.)

14 rows selected.

SQL> SELECT
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'YYYY "("YEAR, "CENTURY:" CC, B.C.")"') YEAR
  5  FROM EMP;

ENAME        HIREDATE  YEAR
---------- --------- ------------------------------------------------------
----------------
ALLEN        20-FEB-81 1981 (NINETEEN EIGHTY-ONE, CENTURY: 20, A.D.)
WARD         22-FEB-81 1981 (NINETEEN EIGHTY-ONE, CENTURY: 20, A.D.)
MARTIN       28-SEP-81 1981 (NINETEEN EIGHTY-ONE, CENTURY: 20, A.D.)
BLAKE        01-MAY-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.)
SMITH        17-DEC-80 1980 (NINETEEN EIGHTY, CENTURY: 20, A.D.)
JONES        02-APR-81 1981 (NINETEEN EIGHTY-ONE, CENTURY: 20, A.D.)
CLARK        09-JUN-81 1981 (NINETEEN EIGHTY-ONE, CENTURY: 20, A.D.)
SCOTT        19-APR-87 1987 (NINETEEN EIGHTY-SEVEN, CENTURY: 20, A.D.)
KING         17-NOV-81 1981 (NINETEEN EIGHTY-ONE, CENTURY: 20, A.D.)
ADAMS        23-MAY-87 1987 (NINETEEN EIGHTY-SEVEN, CENTURY: 20, A.D.)
FORD         03-DEC-81 1981 (NINETEEN EIGHTY-ONE, CENTURY: 20, A.D.)
MILLER       23-JAN-82 1982 (NINETEEN EIGHTY-TWO, CENTURY: 20, A.D.)

14 rows selected.

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 :2

SQL> SELECT
    2  ENAME,
    3  HIREDATE,
    4  TO_CHAR(HIREDATE,'W') MONTHWEEK
    5  FROM EMP;

ENAME      HIREDATE  M
---------- --------- -
ALLEN      20-FEB-81 3
WARD       22-FEB-81 4
MARTIN     28-SEP-81 4
BLAKE      01-MAY-81 1
TURNER     08-SEP-81 2
JAMES      03-DEC-81 1
SMITH      17-DEC-80 3
JONES      02-APR-81 1
CLARK      09-JUN-81 2
SCOTT      19-APR-87 3
KING       17-NOV-81 3
ADAMS      23-MAY-87 4
FORD       03-DEC-81 1
MILLER     23-JAN-82 4

14 rows selected.

SQL> SELECT
    2  ENAME,
    3  HIREDATE,
    4  TO_CHAR(HIREDATE,'W') MONTHWEEK
    5  FROM EMP
    6  WHERE TO_CHAR(HIREDATE,'W')>2;

ENAME      HIREDATE  M
---------- --------- -
ALLEN      20-FEB-81 3
WARD       22-FEB-81 4
MARTIN     28-SEP-81 4
SMITH      17-DEC-80 3
SCOTT      19-APR-87 3
KING       17-NOV-81 3
ADAMS      23-MAY-87 4
MILLER     23-JAN-82 4

8 rows selected.
```

```
SQL> SELECT
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'W') MONTHWEEK
  5  FROM EMP
  6  WHERE TO_CHAR(HIREDATE,'W') BETWEEN 1 AND 3;

ENAME      HIREDATE  M
---------- --------- -
ALLEN      20-FEB-81 3
BLAKE      01-MAY-81 1
TURNER     08-SEP-81 2
JAMES      03-DEC-81 1
SMITH      17-DEC-80 3
JONES      02-APR-81 1
CLARK      09-JUN-81 2
SCOTT      19-APR-87 3
KING       17-NOV-81 3
FORD       03-DEC-81 1

10 rows selected.

SQL> SELECT
  2  'THE CURRENT QUARTER OF THE YEAR IS :'||TO_CHAR(SYSDATE,'Q') QUARTER
  3  FROM DUAL;

QUARTER
--------------------------------------
THE CURRENT QUARTER OF THE YEAR IS :2

SQL> SELECT
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'Q') QUARTER
  5  FROM EMP;

ENAME      HIREDATE  Q
---------- --------- -
ALLEN      20-FEB-81 1
WARD       22-FEB-81 1
MARTIN     28-SEP-81 3
BLAKE      01-MAY-81 2
TURNER     08-SEP-81 3
JAMES      03-DEC-81 4
SMITH      17-DEC-80 4
JONES      02-APR-81 2
CLARK      09-JUN-81 2
SCOTT      19-APR-87 2
KING       17-NOV-81 4
ADAMS      23-MAY-87 2
FORD       03-DEC-81 4
MILLER     23-JAN-82 1
```

14 rows selected.

```
SQL> SELECT
  2   ENAME,
  3   HIREDATE,
  4   TO_CHAR(HIREDATE,'YYYY') YEAR,
  5   TO_CHAR(HIREDATE,'Q') QUARTER
  6   FROM EMP
  7   WHERE TO_CHAR(HIREDATE,'YYYY')=1981 AND
  8   TO_CHAR(HIREDATE,'Q') IN(1,3);

ENAME      HIREDATE  YEAR Q
---------- --------- ---- -
ALLEN      20-FEB-81 1981 1
WARD       22-FEB-81 1981 1
MARTIN     28-SEP-81 1981 3
TURNER     08-SEP-81 1981 3

SQL> SELECT
  2   'THE JULIAN DAY OF TODAY IS :'||SYSDATE||TO_CHAR(SYSDATE,'"("J")"')
JULIANDAY
  3   FROM DUAL;

JULIANDAY
---------------------------------------------
THE JULIAN DAY OF TODAY IS :08-APR-20(2458948)

SQL> SELECT
  2   ENAME,
  3   HIREDATE,
  4   TO_CHAR(HIREDATE,'J') JULIANDAY
  5   FROM EMP;

ENAME      HIREDATE  JULIAND
---------- --------- -------
ALLEN      20-FEB-81 2444656
WARD       22-FEB-81 2444658
MARTIN     28-SEP-81 2444876
BLAKE      01-MAY-81 2444726
TURNER     08-SEP-81 2444856
JAMES      03-DEC-81 2444942
SMITH      17-DEC-80 2444591
JONES      02-APR-81 2444697
CLARK      09-JUN-81 2444765
SCOTT      19-APR-87 2446905
KING       17-NOV-81 2444926
ADAMS      23-MAY-87 2446939
FORD       03-DEC-81 2444942
MILLER     23-JAN-82 2444993

14 rows selected.

SQL> SELECT
```

```
    2  'THE CURRENT MONTH IS :'||TO_CHAR(SYSDATE,'MONTH MON MM') THISMONTH
    3  FROM DUAL;

THISMONTH
----------------------------------------
THE CURRENT MONTH IS :APRIL     APR 04

SQL> SELECT
    2  ENAME,
    3  TO_CHAR(HIREDATE,'MONTH') MONTH,
    4  TO_CHAR(HIREDATE,'MON') ABMONTH,
    5  TO_CHAR(HIREDATE,'MM') NUMMONTH
    6  FROM EMP;

ENAME       MONTH       ABM NU
---------- --------- --- --
ALLEN       FEBRUARY   FEB 02
WARD        FEBRUARY   FEB 02
MARTIN      SEPTEMBER  SEP 09
BLAKE       MAY        MAY 05
TURNER      SEPTEMBER  SEP 09
JAMES       DECEMBER   DEC 12
SMITH       DECEMBER   DEC 12
JONES       APRIL      APR 04
CLARK       JUNE       JUN 06
SCOTT       APRIL      APR 04
KING        NOVEMBER   NOV 11
ADAMS       MAY        MAY 05
FORD        DECEMBER   DEC 12
MILLER      JANUARY    JAN 01

14 rows selected.

SQL> SELECT
    2  ENAME,
    3  HIREDATE,
    4  TO_CHAR(HIREDATE,'MONTH') MONTH,
    5  TO_CHAR(HIREDATE,'MON') ABMONTH,
    6  TO_CHAR(HIREDATE,'MM') NUMMONTH
    7  FROM EMP;

ENAME      HIREDATE  MONTH       ABM NU
---------- --------- --------- --- --
ALLEN      20-FEB-81 FEBRUARY   FEB 02
WARD       22-FEB-81 FEBRUARY   FEB 02
MARTIN     28-SEP-81 SEPTEMBER  SEP 09
BLAKE      01-MAY-81 MAY        MAY 05
TURNER     08-SEP-81 SEPTEMBER  SEP 09
JAMES      03-DEC-81 DECEMBER   DEC 12
SMITH      17-DEC-80 DECEMBER   DEC 12
JONES      02-APR-81 APRIL      APR 04
CLARK      09-JUN-81 JUNE       JUN 06
SCOTT      19-APR-87 APRIL      APR 04
```

```
KING          17-NOV-81 NOVEMBER   NOV 11
ADAMS         23-MAY-87 MAY        MAY 05
FORD          03-DEC-81 DECEMBER   DEC 12
MILLER        23-JAN-82 JANUARY    JAN 01

14 rows selected.

SQL> SELECT
  2  'TODAY IS :'||TO_CHAR(SYSDATE,'DAY, DD, MONTH YYYY, CC, B.C.') TODAY
  3  FROM DUAL;

TODAY
--------------------------------------------------
TODAY IS :WEDNESDAY, 08, APRIL     2020, 21, A.D.

SQL> SELECT
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'DAY, DD, MONTH YYYY"("YEAR")", CC, B.C.') TODAY
  5  FROM EMP;

ENAME      HIREDATE  TODAY
---------- --------- -----------------------------------------------------
------------------------------
ALLEN      20-FEB-81 FRIDAY   , 20, FEBRUARY  1981(NINETEEN EIGHTY-ONE),
20, A.D.
WARD       22-FEB-81 SUNDAY   , 22, FEBRUARY  1981(NINETEEN EIGHTY-ONE),
20, A.D.
MARTIN     28-SEP-81 MONDAY   , 28, SEPTEMBER 1981(NINETEEN EIGHTY-ONE),
20, A.D.
BLAKE      01-MAY-81 FRIDAY   , 01, MAY       1981(NINETEEN EIGHTY-ONE),
20, A.D.
TURNER     08-SEP-81 TUESDAY  , 08, SEPTEMBER 1981(NINETEEN EIGHTY-ONE),
20, A.D.
JAMES      03-DEC-81 THURSDAY , 03, DECEMBER  1981(NINETEEN EIGHTY-ONE),
20, A.D.
SMITH      17-DEC-80 WEDNESDAY, 17, DECEMBER  1980(NINETEEN EIGHTY), 20,
A.D.
JONES      02-APR-81 THURSDAY , 02, APRIL     1981(NINETEEN EIGHTY-ONE),
20, A.D.
CLARK      09-JUN-81 TUESDAY  , 09, JUNE      1981(NINETEEN EIGHTY-ONE),
20, A.D.
SCOTT      19-APR-87 SUNDAY   , 19, APRIL     1987(NINETEEN EIGHTY-
SEVEN), 20, A.D.
KING       17-NOV-81 TUESDAY  , 17, NOVEMBER  1981(NINETEEN EIGHTY-ONE),
20, A.D.
ADAMS      23-MAY-87 SATURDAY , 23, MAY       1987(NINETEEN EIGHTY-
SEVEN), 20, A.D.
FORD       03-DEC-81 THURSDAY , 03, DECEMBER  1981(NINETEEN EIGHTY-ONE),
20, A.D.
MILLER     23-JAN-82 SATURDAY , 23, JANUARY   1982(NINETEEN EIGHTY-TWO),
20, A.D.
```

```
14 rows selected.

SQL> --Time Format Models--
SQL> SELECT
  2  'THE CURRENT  MERIDIAN RUNNING IN THE SERVER IS
:'||TO_CHAR(SYSDATE,'A.M.') MERIDIAN
  3  FROM DUAL;

MERIDIAN
--------------------------------------------------------
THE CURRENT  MERIDIAN RUNNING IN THE SERVER IS :P.M.

SQL> SELECT
  2  'THE CURRENT TIME IS :'||TO_CHAR(SYSDATE,'HH:MI:SS, A.M.') MYTIME
  3  FROM DUAL;

MYTIME
----------------------------------
THE CURRENT TIME IS :01:21:53, P.M.

SQL> SELECT
  2  'THE CURRENT TIME IS :'||TO_CHAR(SYSDATE,'HH24:MI:SS, A.M.') MYTIME
  3  FROM DUAL;

MYTIME
------------------------------------
THE CURRENT TIME IS :13:22:06, P.M.

SQL> SELECT
  2  'THE CURRENT TIME IS :'||TO_CHAR(SYSDATE,'HH24" HOURS ",MI " MINUTES
",SS" SECONDS ", A.M.') MYTIME
  3  FROM DUAL;

MYTIME
------------------------------------------------------------
THE CURRENT TIME IS :13 HOURS ,22  MINUTES ,20 SECONDS , P.M.

SQL> SELECT
  2  'TODAY IS :'||TO_CHAR(SYSDATE,'DAY, DD  MONTH  YYYY, HH24:MI:SS
A.M.') MYTIME
  3  FROM DUAL;

MYTIME
-------------------------------------------------------
TODAY IS :WEDNESDAY, 08  APRIL      2020, 13:22:45  P.M.

SQL> SELECT
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'DD-MONTH-YYYY') HIRE
  5  FROM EMP;

ENAME       HIREDATE  HIRE
```

```
---------- --------- -----------------
ALLEN       20-FEB-81 20-FEBRUARY -1981
WARD        22-FEB-81 22-FEBRUARY -1981
MARTIN      28-SEP-81 28-SEPTEMBER-1981
BLAKE       01-MAY-81 01-MAY      -1981
TURNER      08-SEP-81 08-SEPTEMBER-1981
JAMES       03-DEC-81 03-DECEMBER -1981
SMITH       17-DEC-80 17-DECEMBER -1980
JONES       02-APR-81 02-APRIL    -1981
CLARK       09-JUN-81 09-JUNE     -1981
SCOTT       19-APR-87 19-APRIL    -1987
KING        17-NOV-81 17-NOVEMBER -1981
ADAMS       23-MAY-87 23-MAY      -1987
FORD        03-DEC-81 03-DECEMBER -1981
MILLER      23-JAN-82 23-JANUARY  -1982

14 rows selected.

SQL> SELECT
  2  ENAME,
  3  TO_CHAR(HIREDATE,'FMDD-MONTH-YYYY') HIRE,
  4  TO_CHAR(HIREDATE,'HH:MI:SS A.M.') TIME
  5  FROM EMP;

ENAME      HIRE              TIME
---------- ----------------- ------------
ALLEN      20-FEBRUARY-1981  12:00:00 A.M.
WARD       22-FEBRUARY-1981  12:00:00 A.M.
MARTIN     28-SEPTEMBER-1981 12:00:00 A.M.
BLAKE      1-MAY-1981        12:00:00 A.M.
TURNER     8-SEPTEMBER-1981  12:00:00 A.M.
JAMES      3-DECEMBER-1981   12:00:00 A.M.
SMITH      17-DECEMBER-1980  12:00:00 A.M.
JONES      2-APRIL-1981      12:00:00 A.M.
CLARK      9-JUNE-1981       12:00:00 A.M.
SCOTT      19-APRIL-1987     12:00:00 A.M.
KING       17-NOVEMBER-1981  12:00:00 A.M.
ADAMS      23-MAY-1987       12:00:00 A.M.
FORD       3-DECEMBER-1981   12:00:00 A.M.
MILLER     23-JANUARY-1982   12:00:00 A.M.

14 rows selected.

SQL> SELECT
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'DD-MM-YYYY') NMONDATE,
  5  TO_CHAR(HIREDATE,'DD-RM-YYYY') RMONDATE
  6  FROM EMP;

ENAME      HIREDATE  NMONDATE   RMONDATE
---------- --------- ---------- ------------
ALLEN      20-FEB-81 20-02-1981 20-II  -1981
```

```
WARD        22-FEB-81 22-02-1981 22-II   -1981
MARTIN      28-SEP-81 28-09-1981 28-IX   -1981
BLAKE       01-MAY-81 01-05-1981 01-V    -1981
TURNER      08-SEP-81 08-09-1981 08-IX   -1981
JAMES       03-DEC-81 03-12-1981 03-XII  -1981
SMITH       17-DEC-80 17-12-1980 17-XII  -1980
JONES       02-APR-81 02-04-1981 02-IV   -1981
CLARK       09-JUN-81 09-06-1981 09-VI   -1981
SCOTT       19-APR-87 19-04-1987 19-IV   -1987
KING        17-NOV-81 17-11-1981 17-XI   -1981
ADAMS       23-MAY-87 23-05-1987 23-V    -1987
FORD        03-DEC-81 03-12-1981 03-XII  -1981
MILLER      23-JAN-82 23-01-1982 23-I    -1982

14 rows selected.

SQL> SELECT
  2  ENAME,
  3  HIREDATE,
  4  TO_CHAR(HIREDATE,'DD-MM-YYYY') NMONDATE,
  5  TO_CHAR(HIREDATE,'DD-rm-YYYY') RMONDATE
  6  FROM EMP;

ENAME       HIREDATE  NMONDATE   RMONDATE
----------  --------- ---------- -----------
ALLEN       20-FEB-81 20-02-1981 20-ii   -1981
WARD        22-FEB-81 22-02-1981 22-ii   -1981
MARTIN      28-SEP-81 28-09-1981 28-ix   -1981
BLAKE       01-MAY-81 01-05-1981 01-v    -1981
TURNER      08-SEP-81 08-09-1981 08-ix   -1981
JAMES       03-DEC-81 03-12-1981 03-xii  -1981
SMITH       17-DEC-80 17-12-1980 17-xii  -1980
JONES       02-APR-81 02-04-1981 02-iv   -1981
CLARK       09-JUN-81 09-06-1981 09-vi   -1981
SCOTT       19-APR-87 19-04-1987 19-iv   -1987
KING        17-NOV-81 17-11-1981 17-xi   -1981
ADAMS       23-MAY-87 23-05-1987 23-v    -1987
FORD        03-DEC-81 03-12-1981 03-xii  -1981
MILLER      23-JAN-82 23-01-1982 23-i    -1982

14 rows selected.

SQL> SELECT
  2  'TOTAL SECONDS COMPLETED SINCE MIDNIGHT :'||TO_CHAR(SYSDATE,'SSSSS')
SECONDS
  3  FROM DUAL;

SECONDS
-----------------------------------------------
TOTAL SECONDS COMPLETED SINCE MIDNIGHT :48268

SQL> SELECT
  2  'TODAY IS :'||TO_CHAR(SYSDATE, 'DDTH, MONTH  YYYY') TODAY
```

```
   3   FROM DUAL;

TODAY
------------------------------
TODAY IS :08TH, APRIL        2020

SQL> SELECT
   2   'TODAY IS :'||TO_CHAR(SYSDATE, 'DDSPTH, MONTH  YYYY') TODAY
   3   FROM DUAL;

TODAY
-------------------------------------------
TODAY IS :EIGHTH, APRIL        2020

SQL> SELECT
   2   'TODAY IS :'||TO_CHAR(SYSDATE, 'DDSPTH "OF" MMSPTH "MONTH AND YEAR
IS"  YYYYSPTH, B.C.') TODAY
   3   FROM DUAL;

TODAY
----------------------------------------------------------------------
-----------------------------------
TODAY IS :EIGHTH OF FOURTH MONTH AND YEAR IS  TWO THOUSAND TWENTIETH,
A.D.

SQL> SELECT
   2   'TODAY IS :'||TO_CHAR(SYSDATE, 'DDSPTH "OF" MMSPTH "MONTH AND YEAR
IS"  YYYYSP, B.C.') TODAY
   3   FROM DUAL;

TODAY
----------------------------------------------------------------------
----------------------------------
TODAY IS :EIGHTH OF FOURTH MONTH AND YEAR IS  TWO THOUSAND TWENTY, A.D.

SQL> SELECT
   2   'THE CURRENT TIME IS :'||
   3   TO_CHAR(SYSDATE,'HHSP" HOURS ",MISP" MINUTES ",SSSP" SECONDS"')
MYTIME
   4   FROM DUAL;

MYTIME
----------------------------------------------------------------------
----
THE CURRENT TIME IS :ONE HOURS ,TWENTY-FIVE MINUTES ,FORTY-FOUR SECONDS

SQL> SELECT
   2   'TODAY IS :'||TO_CHAR(SYSDATE,'DAY, MONTH YYYY') TODAY
   3   FROM DUAL;

TODAY
------------------------------------
TODAY IS :WEDNESDAY, APRIL     2020
```

```
SQL> SELECT
  2   'TODAY IS :'||TO_CHAR(SYSDATE,'FMDAY, MONTH YYYY') TODAY
  3   FROM DUAL;

TODAY
-----------------------------------
TODAY IS :WEDNESDAY, APRIL 2020

SQL> SELECT
  2   ENAME,
  3   TO_CHAR(HIREDATE,'DD-RM-YYYY') RMONDATE,
  4   TO_CHAR(HIREDATE,'DD-FMRM-YYYY') RMFMDATE
  5   FROM EMP;

ENAME      RMONDATE     RMFMDATE
---------- ------------ ------------
ALLEN      20-II  -1981 20-II-1981
WARD       22-II  -1981 22-II-1981
MARTIN     28-IX  -1981 28-IX-1981
BLAKE      01-V   -1981 01-V-1981
TURNER     08-IX  -1981 08-IX-1981
JAMES      03-XII -1981 03-XII-1981
SMITH      17-XII -1980 17-XII-1980
JONES      02-IV  -1981 02-IV-1981
CLARK      09-VI  -1981 09-VI-1981
SCOTT      19-IV  -1987 19-IV-1987
KING       17-XI  -1981 17-XI-1981
ADAMS      23-V   -1987 23-V-1987
FORD       03-XII -1981 03-XII-1981
MILLER     23-I   -1982 23-I-1982

14 rows selected.

SQL> SELECT
  2   ENAME,
  3   TO_CHAR(HIREDATE,'FMDAY, DD MONTH YYYY') HIREDATE
  4   FROM EMP;

ENAME      HIREDATE
---------- ------------------------------
ALLEN      FRIDAY, 20 FEBRUARY 1981
WARD       SUNDAY, 22 FEBRUARY 1981
MARTIN     MONDAY, 28 SEPTEMBER 1981
BLAKE      FRIDAY, 1 MAY 1981
TURNER     TUESDAY, 8 SEPTEMBER 1981
JAMES      THURSDAY, 3 DECEMBER 1981
SMITH      WEDNESDAY, 17 DECEMBER 1980
JONES      THURSDAY, 2 APRIL 1981
CLARK      TUESDAY, 9 JUNE 1981
SCOTT      SUNDAY, 19 APRIL 1987
KING       TUESDAY, 17 NOVEMBER 1981
ADAMS      SATURDAY, 23 MAY 1987
```

```
FORD        THURSDAY, 3 DECEMBER 1981
MILLER      SATURDAY, 23 JANUARY 1982

14 rows selected.

SQL> SELECT
  2   ENAME,
  3   TO_CHAR(HIREDATE,'DAY, DD FMMONTH YYYY') HIREDATE
  4   FROM EMP;

ENAME       HIREDATE
----------  ----------------------------
ALLEN       FRIDAY   , 20 FEBRUARY 1981
WARD        SUNDAY   , 22 FEBRUARY 1981
MARTIN      MONDAY   , 28 SEPTEMBER 1981
BLAKE       FRIDAY   , 01 MAY 1981
TURNER      TUESDAY  , 08 SEPTEMBER 1981
JAMES       THURSDAY , 03 DECEMBER 1981
SMITH       WEDNESDAY, 17 DECEMBER 1980
JONES       THURSDAY , 02 APRIL 1981
CLARK       TUESDAY  , 09 JUNE 1981
SCOTT       SUNDAY   , 19 APRIL 1987
KING        TUESDAY  , 17 NOVEMBER 1981
ADAMS       SATURDAY , 23 MAY 1987
FORD        THURSDAY , 03 DECEMBER 1981
MILLER      SATURDAY , 23 JANUARY 1982

14 rows selected.

SQL> ED
Wrote file afiedt.buf

  1   SELECT
  2   ENAME,
  3   TO_CHAR(HIREDATE,'FMDAY, DD MONTH YYYY') HIREDATE
  4*  FROM EMP
SQL> /

ENAME       HIREDATE
----------  ----------------------------
ALLEN       FRIDAY, 20 FEBRUARY 1981
WARD        SUNDAY, 22 FEBRUARY 1981
MARTIN      MONDAY, 28 SEPTEMBER 1981
BLAKE       FRIDAY, 1 MAY 1981
TURNER      TUESDAY, 8 SEPTEMBER 1981
JAMES       THURSDAY, 3 DECEMBER 1981
SMITH       WEDNESDAY, 17 DECEMBER 1980
JONES       THURSDAY, 2 APRIL 1981
CLARK       TUESDAY, 9 JUNE 1981
SCOTT       SUNDAY, 19 APRIL 1987
KING        TUESDAY, 17 NOVEMBER 1981
ADAMS       SATURDAY, 23 MAY 1987
FORD        THURSDAY, 3 DECEMBER 1981
```

```
MILLER     SATURDAY, 23 JANUARY 1982

14 rows selected.

SQL> SPOOL OFF
```