```
SQL> SELECT
  2   SYSDATE "Today"
  3   FROM DUAL;

Today
---------
20-OCT-23

SQL> SELECT
  2   SYSDATE + 3  "3Days"
  3   FROM DUAL;

3Days
---------
23-OCT-23

SQL> SELECT
  2   '20-OCT-23' + 3  "3Days"
  3   FROM DUAL;
'20-OCT-23' + 3  "3Days"
*
ERROR at line 2:
ORA-01722: invalid number


SQL> SELECT
  2   TO_CHAR(SYSDATE, 'J') TODAY
  3   FROM DUAL;

TODAY
-------
2460238

SQL> SELECT
  2   TO_DATE('20-OCT-23','DD-MON-YY') + 3  "3Days"
  3   FROM DUAL;

3Days
---------
23-OCT-23

SQL> SELECT HIREDATE
  2   FROM EMP;

HIREDATE
---------
17-DEC-80
20-FEB-81
22-FEB-81
02-APR-81
28-SEP-81
01-MAY-81
09-JUN-81
19-APR-87
```

```
17-NOV-81
08-SEP-81
23-MAY-87

HIREDATE
---------
03-DEC-81
03-DEC-81
23-JAN-82

14 rows selected.

SQL> SELECT TO_CHAR(HIREDATE, 'DD-MONTH-YY') HIREDATE
  2  FROM EMP;

HIREDATE
---------------
17-DECEMBER -80
20-FEBRUARY -81
22-FEBRUARY -81
02-APRIL    -81
28-SEPTEMBER-81
01-MAY      -81
09-JUNE     -81
19-APRIL    -87
17-NOVEMBER -81
08-SEPTEMBER-81
23-MAY      -87

HIREDATE
---------------
03-DECEMBER -81
03-DECEMBER -81
23-JANUARY  -82

14 rows selected.

SQL> SELECT TO_CHAR(HIREDATE, 'DDTH-MONTH-YY') HIREDATE
  2  FROM EMP;

HIREDATE
-----------------
17TH-DECEMBER -80
20TH-FEBRUARY -81
22ND-FEBRUARY -81
02ND-APRIL    -81
28TH-SEPTEMBER-81
01ST-MAY      -81
09TH-JUNE     -81
19TH-APRIL    -87
17TH-NOVEMBER -81
08TH-SEPTEMBER-81
23RD-MAY      -87
```

```
HIREDATE
----------------
03RD-DECEMBER -81
03RD-DECEMBER -81
23RD-JANUARY  -82

14 rows selected.

SQL> SELECT
  2  SYSDATE + 365 "365Days"
  3  FROM DUAL;

365Days
---------
19-OCT-24

SQL> SELECT
  2  ADD_MONTHS(SYSDATE, 12) "365Days"
  3
SQL> FROM DUAL;
SP2-0042: unknown command "FROM DUAL" - rest of line ignored.
SQL> SELECT
  2  ADD_MONTHS(SYSDATE, 12) "365Days"
  3  FROM DUAL;

365Days
---------
20-OCT-24

SQL> SELECT
  2  SYSDATE - 6 TODAY
  3  FROM DUAL;

TODAY
---------
14-OCT-23

SQL> SELECT
  2  Empno, Ename, Job, HireDate, Sysdate, Hiredate - Sysdate "No.ofDays"
  3  FROM Emp;

     EMPNO ENAME      JOB       HIREDATE  SYSDATE   No.ofDays
---------- ---------- --------- --------- --------- ----------
      7369 SMITH      CLERK     17-DEC-80 20-OCT-23 -15647.736
      7499 ALLEN      SALESMAN  20-FEB-81 20-OCT-23 -15582.736
      7521 WARD       SALESMAN  22-FEB-81 20-OCT-23 -15580.736
      7566 JONES      MANAGER   02-APR-81 20-OCT-23 -15541.736
      7654 MARTIN     SALESMAN  28-SEP-81 20-OCT-23 -15362.736
      7698 BLAKE      MANAGER   01-MAY-81 20-OCT-23 -15512.736
      7782 CLARK      MANAGER   09-JUN-81 20-OCT-23 -15473.736
      7788 SCOTT      ANALYST   19-APR-87 20-OCT-23 -13333.736
      7839 KING       PRESIDENT 17-NOV-81 20-OCT-23 -15312.736
      7844 TURNER     SALESMAN  08-SEP-81 20-OCT-23 -15382.736
      7876 ADAMS      CLERK     23-MAY-87 20-OCT-23 -13299.736
```

```
     EMPNO ENAME      JOB       HIREDATE  SYSDATE    No.ofDays
---------- ---------- --------- --------- --------- ----------
      7900 JAMES      CLERK     03-DEC-81 20-OCT-23 -15296.736
      7902 FORD       ANALYST   03-DEC-81 20-OCT-23 -15296.736
      7934 MILLER     CLERK     23-JAN-82 20-OCT-23 -15245.736

14 rows selected.

SQL> SELECT
  2  Empno, Ename, Job, HireDate, Sysdate, SYSDATE - HIREDATE "No.ofDays"
  3  FROM EMP;

     EMPNO ENAME      JOB       HIREDATE  SYSDATE    No.ofDays
---------- ---------- --------- --------- --------- ----------
      7369 SMITH      CLERK     17-DEC-80 20-OCT-23 15647.7366
      7499 ALLEN      SALESMAN  20-FEB-81 20-OCT-23 15582.7366
      7521 WARD       SALESMAN  22-FEB-81 20-OCT-23 15580.7366
      7566 JONES      MANAGER   02-APR-81 20-OCT-23 15541.7366
      7654 MARTIN     SALESMAN  28-SEP-81 20-OCT-23 15362.7366
      7698 BLAKE      MANAGER   01-MAY-81 20-OCT-23 15512.7366
      7782 CLARK      MANAGER   09-JUN-81 20-OCT-23 15473.7366
      7788 SCOTT      ANALYST   19-APR-87 20-OCT-23 13333.7366
      7839 KING       PRESIDENT 17-NOV-81 20-OCT-23 15312.7366
      7844 TURNER     SALESMAN  08-SEP-81 20-OCT-23 15382.7366
      7876 ADAMS      CLERK     23-MAY-87 20-OCT-23 13299.7366

     EMPNO ENAME      JOB       HIREDATE  SYSDATE    No.ofDays
---------- ---------- --------- --------- --------- ----------
      7900 JAMES      CLERK     03-DEC-81 20-OCT-23 15296.7366
      7902 FORD       ANALYST   03-DEC-81 20-OCT-23 15296.7366
      7934 MILLER     CLERK     23-JAN-82 20-OCT-23 15245.7366

14 rows selected.

SQL> SELECT
  2  Empno, Ename, Job, HireDate, Sysdate, TRUNC(SYSDATE - HIREDATE)
"No.ofDays"
  3  FROM Emp;

     EMPNO ENAME      JOB       HIREDATE  SYSDATE    No.ofDays
---------- ---------- --------- --------- --------- ----------
      7369 SMITH      CLERK     17-DEC-80 20-OCT-23      15647
      7499 ALLEN      SALESMAN  20-FEB-81 20-OCT-23      15582
      7521 WARD       SALESMAN  22-FEB-81 20-OCT-23      15580
      7566 JONES      MANAGER   02-APR-81 20-OCT-23      15541
      7654 MARTIN     SALESMAN  28-SEP-81 20-OCT-23      15362
      7698 BLAKE      MANAGER   01-MAY-81 20-OCT-23      15512
      7782 CLARK      MANAGER   09-JUN-81 20-OCT-23      15473
      7788 SCOTT      ANALYST   19-APR-87 20-OCT-23      13333
      7839 KING       PRESIDENT 17-NOV-81 20-OCT-23      15312
      7844 TURNER     SALESMAN  08-SEP-81 20-OCT-23      15382
      7876 ADAMS      CLERK     23-MAY-87 20-OCT-23      13299
```

```
       EMPNO ENAME      JOB        HIREDATE  SYSDATE   No.ofDays
  ---------- ---------- --------- --------- --------- ----------
        7900 JAMES      CLERK      03-DEC-81 20-OCT-23      15296
        7902 FORD       ANALYST    03-DEC-81 20-OCT-23      15296
        7934 MILLER     CLERK      23-JAN-82 20-OCT-23      15245

14 rows selected.

SQL> SELECT
  2  Empno, Ename, HireDate, SYSDATE, TRUNC(SYSDATE - HIREDATE)/365
"Emp_Exp"
  3  FROM Emp;

       EMPNO ENAME      HIREDATE  SYSDATE      Emp_Exp
  ---------- ---------- --------- --------- ----------
        7369 SMITH      17-DEC-80 20-OCT-23 42.8684932
        7499 ALLEN      20-FEB-81 20-OCT-23  42.690411
        7521 WARD       22-FEB-81 20-OCT-23 42.6849315
        7566 JONES      02-APR-81 20-OCT-23 42.5780822
        7654 MARTIN     28-SEP-81 20-OCT-23 42.0876712
        7698 BLAKE      01-MAY-81 20-OCT-23 42.4986301
        7782 CLARK      09-JUN-81 20-OCT-23 42.3917808
        7788 SCOTT      19-APR-87 20-OCT-23 36.5287671
        7839 KING       17-NOV-81 20-OCT-23 41.9506849
        7844 TURNER     08-SEP-81 20-OCT-23 42.1424658
        7876 ADAMS      23-MAY-87 20-OCT-23 36.4356164

       EMPNO ENAME      HIREDATE  SYSDATE      Emp_Exp
  ---------- ---------- --------- --------- ----------
        7900 JAMES      03-DEC-81 20-OCT-23 41.9068493
        7902 FORD       03-DEC-81 20-OCT-23 41.9068493
        7934 MILLER     23-JAN-82 20-OCT-23 41.7671233

14 rows selected.

SQL> SELECT
  2  Empno, Ename, HireDate, SYSDATE, MONTHS_BETWEEN(SYSDATE, HIREDATE)
"Emp_Exp"
  3  FROM EMP;

       EMPNO ENAME      HIREDATE  SYSDATE      Emp_Exp
  ---------- ---------- --------- --------- ----------
        7369 SMITH      17-DEC-80 20-OCT-23 514.120667
        7499 ALLEN      20-FEB-81 20-OCT-23        512
        7521 WARD       22-FEB-81 20-OCT-23 511.959376
        7566 JONES      02-APR-81 20-OCT-23 510.604538
        7654 MARTIN     28-SEP-81 20-OCT-23 504.765828
        7698 BLAKE      01-MAY-81 20-OCT-23 509.636796
        7782 CLARK      09-JUN-81 20-OCT-23 508.378731
        7788 SCOTT      19-APR-87 20-OCT-23 438.056151
        7839 KING       17-NOV-81 20-OCT-23 503.120667
        7844 TURNER     08-SEP-81 20-OCT-23 505.410989
        7876 ADAMS      23-MAY-87 20-OCT-23 436.927118
```

```
     EMPNO ENAME      HIREDATE  SYSDATE      Emp_Exp
---------- ---------- --------- --------- ----------
      7900 JAMES      03-DEC-81 20-OCT-23  502.57228
      7902 FORD       03-DEC-81 20-OCT-23  502.57228
      7934 MILLER     23-JAN-82 20-OCT-23 500.927118

14 rows selected.

SQL> SELECT
  2  Empno, Ename, HireDate, SYSDATE, TRUN(MONTHS_BETWEEN(SYSDATE,
HIREDATE))/12 "Emp_Exp"
  3  FROM EMP;
Empno, Ename, HireDate, SYSDATE, TRUN(MONTHS_BETWEEN(SYSDATE,
HIREDATE))/12 "Emp_Exp"
                                  *
ERROR at line 2:
ORA-00904: "TRUN": invalid identifier


SQL> SELECT
  2  Empno, Ename, HireDate, SYSDATE, TRUNC(MONTHS_BETWEEN(SYSDATE,
HIREDATE))/12 "Emp_Exp"
  3  FROM EMP;

     EMPNO ENAME      HIREDATE  SYSDATE      Emp_Exp
---------- ---------- --------- --------- ----------
      7369 SMITH      17-DEC-80 20-OCT-23 42.8333333
      7499 ALLEN      20-FEB-81 20-OCT-23 42.6666667
      7521 WARD       22-FEB-81 20-OCT-23 42.5833333
      7566 JONES      02-APR-81 20-OCT-23       42.5
      7654 MARTIN     28-SEP-81 20-OCT-23         42
      7698 BLAKE      01-MAY-81 20-OCT-23 42.4166667
      7782 CLARK      09-JUN-81 20-OCT-23 42.3333333
      7788 SCOTT      19-APR-87 20-OCT-23       36.5
      7839 KING       17-NOV-81 20-OCT-23 41.9166667
      7844 TURNER     08-SEP-81 20-OCT-23 42.0833333
      7876 ADAMS      23-MAY-87 20-OCT-23 36.3333333

     EMPNO ENAME      HIREDATE  SYSDATE      Emp_Exp
---------- ---------- --------- --------- ----------
      7900 JAMES      03-DEC-81 20-OCT-23 41.8333333
      7902 FORD       03-DEC-81 20-OCT-23 41.8333333
      7934 MILLER     23-JAN-82 20-OCT-23 41.6666667

14 rows selected.

SQL> SELECT
  2  Empno, Ename, HireDate, SYSDATE, TRUNC(MONTHS_BETWEEN(SYSDATE,
HIREDATE)/12) "Emp_Exp"
  3  FROM EMP;

     EMPNO ENAME      HIREDATE  SYSDATE      Emp_Exp
---------- ---------- --------- --------- ----------
      7369 SMITH      17-DEC-80 20-OCT-23         42
```

```
      7499 ALLEN        20-FEB-81 20-OCT-23         42
      7521 WARD         22-FEB-81 20-OCT-23         42
      7566 JONES        02-APR-81 20-OCT-23         42
      7654 MARTIN       28-SEP-81 20-OCT-23         42
      7698 BLAKE        01-MAY-81 20-OCT-23         42
      7782 CLARK        09-JUN-81 20-OCT-23         42
      7788 SCOTT        19-APR-87 20-OCT-23         36
      7839 KING         17-NOV-81 20-OCT-23         41
      7844 TURNER       08-SEP-81 20-OCT-23         42
      7876 ADAMS        23-MAY-87 20-OCT-23         36

     EMPNO ENAME        HIREDATE  SYSDATE     Emp_Exp
---------- ---------- --------- --------- ----------
      7900 JAMES        03-DEC-81 20-OCT-23         41
      7902 FORD         03-DEC-81 20-OCT-23         41
      7934 MILLER       23-JAN-82 20-OCT-23         41

14 rows selected.

SQL> SELECT
  2 Empno, Ename, HireDate, SYSDATE, TRUNC(MONTHS_BETWEEN(SYSDATE,
HIREDATE)/12) "Emp_Exp"
  3 FROM EMP
  4 WHERE TRUNC(MONTHS_BETWEEN(SYSDATE, HIREDATE)/12) >40;

     EMPNO ENAME        HIREDATE  SYSDATE     Emp_Exp
---------- ---------- --------- --------- ----------
      7369 SMITH        17-DEC-80 20-OCT-23         42
      7499 ALLEN        20-FEB-81 20-OCT-23         42
      7521 WARD         22-FEB-81 20-OCT-23         42
      7566 JONES        02-APR-81 20-OCT-23         42
      7654 MARTIN       28-SEP-81 20-OCT-23         42
      7698 BLAKE        01-MAY-81 20-OCT-23         42
      7782 CLARK        09-JUN-81 20-OCT-23         42
      7839 KING         17-NOV-81 20-OCT-23         41
      7844 TURNER       08-SEP-81 20-OCT-23         42
      7900 JAMES        03-DEC-81 20-OCT-23         41
      7902 FORD         03-DEC-81 20-OCT-23         41

     EMPNO ENAME        HIREDATE  SYSDATE     Emp_Exp
---------- ---------- --------- --------- ----------
      7934 MILLER       23-JAN-82 20-OCT-23         41

12 rows selected.

SQL> SELECT
  2 NEXT_DAY(SYSDATE) "NextWeekDay"
  3 FROM DUAL;
NEXT_DAY(SYSDATE) "NextWeekDay"
*
ERROR at line 2:
ORA-00909: invalid number of arguments
```

```
SQL> SELECT
  2  SYSDATE TODAY, NEXT_DAY(SYSDATE,'FRI') "NextWeekDay"
  3  FROM DUAL;

TODAY     NextWeekD
--------- ---------
20-OCT-23 27-OCT-23

SQL> SELECT
  2  SYSDATE TODAY, NEXT_DAY(SYSDATE,'WED') "NextWeekDay"
  3  FROM DUAL;

TODAY     NextWeekD
--------- ---------
20-OCT-23 25-OCT-23

SQL> SELECT
  2  Empno,
  3  Ename,
  4  Job,
  5  HireDate,
  6  NEXT_DAY(HireDate, 'FRI') Hire
  7  FROM Emp;

    EMPNO ENAME      JOB       HIREDATE  HIRE
---------- ---------- --------- --------- ---------
      7369 SMITH      CLERK     17-DEC-80 19-DEC-80
      7499 ALLEN      SALESMAN  20-FEB-81 27-FEB-81
      7521 WARD       SALESMAN  22-FEB-81 27-FEB-81
      7566 JONES      MANAGER   02-APR-81 03-APR-81
      7654 MARTIN     SALESMAN  28-SEP-81 02-OCT-81
      7698 BLAKE      MANAGER   01-MAY-81 08-MAY-81
      7782 CLARK      MANAGER   09-JUN-81 12-JUN-81
      7788 SCOTT      ANALYST   19-APR-87 24-APR-87
      7839 KING       PRESIDENT 17-NOV-81 20-NOV-81
      7844 TURNER     SALESMAN  08-SEP-81 11-SEP-81
      7876 ADAMS      CLERK     23-MAY-87 29-MAY-87

    EMPNO ENAME      JOB       HIREDATE  HIRE
---------- ---------- --------- --------- ---------
      7900 JAMES      CLERK     03-DEC-81 04-DEC-81
      7902 FORD       ANALYST   03-DEC-81 04-DEC-81
      7934 MILLER     CLERK     23-JAN-82 29-JAN-82

14 rows selected.

SQL> SELECT
  2  Empno,
  3  Ename,
  4  Job,
  5  HireDate,
  6  TO_CHAR(HireDate, 'DY') WeekDay
  7  ,
  8  NEXT_DAY(HireDate, 'FRI') Hire
```

```
    9  FROM Emp;

    EMPNO ENAME      JOB       HIREDATE  WEE HIRE
---------- ---------- --------- --------- --- ---------
      7369 SMITH      CLERK     17-DEC-80 WED 19-DEC-80
      7499 ALLEN      SALESMAN  20-FEB-81 FRI 27-FEB-81
      7521 WARD       SALESMAN  22-FEB-81 SUN 27-FEB-81
      7566 JONES      MANAGER   02-APR-81 THU 03-APR-81
      7654 MARTIN     SALESMAN  28-SEP-81 MON 02-OCT-81
      7698 BLAKE      MANAGER   01-MAY-81 FRI 08-MAY-81
      7782 CLARK      MANAGER   09-JUN-81 TUE 12-JUN-81
      7788 SCOTT      ANALYST   19-APR-87 SUN 24-APR-87
      7839 KING       PRESIDENT 17-NOV-81 TUE 20-NOV-81
      7844 TURNER     SALESMAN  08-SEP-81 TUE 11-SEP-81
      7876 ADAMS      CLERK     23-MAY-87 SAT 29-MAY-87

    EMPNO ENAME      JOB       HIREDATE  WEE HIRE
---------- ---------- --------- --------- --- ---------
      7900 JAMES      CLERK     03-DEC-81 THU 04-DEC-81
      7902 FORD       ANALYST   03-DEC-81 THU 04-DEC-81
      7934 MILLER     CLERK     23-JAN-82 SAT 29-JAN-82

14 rows selected.

SQL> SELECT
  2  Empno,
  3  Ename,
  4  Job,
  5  HireDate,
  6  TO_CHAR(HireDate, 'DY') WeekDay,
  7  NEXT_DAY(HireDate, 'FRI') Hire,
  8  TO_CHAR(NEXT_DAY(HireDate, 'FRI'), 'DY') friday
  9  FROM Emp;

    EMPNO ENAME      JOB       HIREDATE  WEE HIRE      FRI
---------- ---------- --------- --------- --- --------- ---
      7369 SMITH      CLERK     17-DEC-80 WED 19-DEC-80 FRI
      7499 ALLEN      SALESMAN  20-FEB-81 FRI 27-FEB-81 FRI
      7521 WARD       SALESMAN  22-FEB-81 SUN 27-FEB-81 FRI
      7566 JONES      MANAGER   02-APR-81 THU 03-APR-81 FRI
      7654 MARTIN     SALESMAN  28-SEP-81 MON 02-OCT-81 FRI
      7698 BLAKE      MANAGER   01-MAY-81 FRI 08-MAY-81 FRI
      7782 CLARK      MANAGER   09-JUN-81 TUE 12-JUN-81 FRI
      7788 SCOTT      ANALYST   19-APR-87 SUN 24-APR-87 FRI
      7839 KING       PRESIDENT 17-NOV-81 TUE 20-NOV-81 FRI
      7844 TURNER     SALESMAN  08-SEP-81 TUE 11-SEP-81 FRI
      7876 ADAMS      CLERK     23-MAY-87 SAT 29-MAY-87 FRI

    EMPNO ENAME      JOB       HIREDATE  WEE HIRE      FRI
---------- ---------- --------- --------- --- --------- ---
      7900 JAMES      CLERK     03-DEC-81 THU 04-DEC-81 FRI
      7902 FORD       ANALYST   03-DEC-81 THU 04-DEC-81 FRI
      7934 MILLER     CLERK     23-JAN-82 SAT 29-JAN-82 FRI
```

```
14 rows selected.

SQL> SELECT
  2  LAST_DAY(SYSDATE) LastDay
  3  FROM DUAL;

LASTDAY
---------
31-OCT-23

SQL> SELECT
  2  Empno,
  3  Ename,
  4  Job,
  5  HireDate,
  6  LAST_DAY(HireDate) LastDay
  7  FROM Emp;

     EMPNO ENAME      JOB       HIREDATE  LASTDAY
---------- ---------- --------- --------- ---------
      7369 SMITH      CLERK     17-DEC-80 31-DEC-80
      7499 ALLEN      SALESMAN  20-FEB-81 28-FEB-81
      7521 WARD       SALESMAN  22-FEB-81 28-FEB-81
      7566 JONES      MANAGER   02-APR-81 30-APR-81
      7654 MARTIN     SALESMAN  28-SEP-81 30-SEP-81
      7698 BLAKE      MANAGER   01-MAY-81 31-MAY-81
      7782 CLARK      MANAGER   09-JUN-81 30-JUN-81
      7788 SCOTT      ANALYST   19-APR-87 30-APR-87
      7839 KING       PRESIDENT 17-NOV-81 30-NOV-81
      7844 TURNER     SALESMAN  08-SEP-81 30-SEP-81
      7876 ADAMS      CLERK     23-MAY-87 31-MAY-87

     EMPNO ENAME      JOB       HIREDATE  LASTDAY
---------- ---------- --------- --------- ---------
      7900 JAMES      CLERK     03-DEC-81 31-DEC-81
      7902 FORD       ANALYST   03-DEC-81 31-DEC-81
      7934 MILLER     CLERK     23-JAN-82 31-JAN-82

14 rows selected.

SQL> --Requirement--
SQL> --Write a query to calculate the salary for the remaining days from
the recruited date--
SQL> SELECT
  2  Empno,
  3  Ename,
  4  Job,
  5  Sal,
  6  Deptno
  7  FROM Emp;

     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> SELECT
  2  Empno,
  3  Ename,
  4  Job,
  5  Sal,
  6  HireDate,
  7  Deptno
  8  FROM Emp;

     EMPNO ENAME       JOB             SAL HIREDATE     DEPTNO
---------- ---------- --------- ---------- --------- ----------
       7369 SMITH       CLERK            800 17-DEC-80        20
       7499 ALLEN       SALESMAN        1600 20-FEB-81        30
       7521 WARD        SALESMAN        1250 22-FEB-81        30
       7566 JONES       MANAGER         2975 02-APR-81        20
       7654 MARTIN      SALESMAN        1250 28-SEP-81        30
       7698 BLAKE       MANAGER         2850 01-MAY-81        30
       7782 CLARK       MANAGER         2450 09-JUN-81        10
       7788 SCOTT       ANALYST         3000 19-APR-87        20
       7839 KING        PRESIDENT       5000 17-NOV-81        10
       7844 TURNER      SALESMAN        1500 08-SEP-81        30
       7876 ADAMS       CLERK           1100 23-MAY-87        20

     EMPNO ENAME       JOB             SAL HIREDATE     DEPTNO
---------- ---------- --------- ---------- --------- ----------
       7900 JAMES       CLERK            950 03-DEC-81        30
       7902 FORD        ANALYST         3000 03-DEC-81        20
       7934 MILLER      CLERK           1300 23-JAN-82        10

14 rows selected.

SQL> --ROUND And TRUNC  on Dates--
SQL> SELECT
  2  SYSDATE  Today,
  3  ROUND(SYSDATE) Round,
```

```
  4  TRUNC(SYSDATE) TRUNC
  5  FROM DUAL;

TODAY      ROUND     TRUNC
--------- --------- ---------
20-OCT-23 21-OCT-23 20-OCT-23

SQL> SELECT
  2  SYSDATE  Today,
  3  ROUND(SYSDATE) Round,
  4  TRUNC(SYSDATE) TRUNC
  5  FROM DUAL;

TODAY      ROUND     TRUNC
--------- --------- ---------
20-OCT-23 20-OCT-23 20-OCT-23

SQL> SELECT
  2  SYSDATE  Today,
  3  ROUND(SYSDATE,'DAY') Round,
  4  TRUNC(SYSDATE, 'DAY') TRUNC
  5  FROM DUAL;

TODAY      ROUND     TRUNC
--------- --------- ---------
20-OCT-23 22-OCT-23 15-OCT-23

SQL> SELECT
  2  SYSDATE  Today,
  3  ROUND(SYSDATE,'DAY') Round,
  4  TRUNC(SYSDATE, 'DAY') TRUNC
  5  FROM DUAL;

TODAY      ROUND     TRUNC
--------- --------- ---------
16-OCT-23 15-OCT-23 15-OCT-23

SQL> SELECT
  2  SYSDATE  Today,
  3  ROUND(SYSDATE,'MONTH') Round,
  4  TRUNC(SYSDATE, 'MONTH') Trunc
  5  FROM DUAL;

TODAY      ROUND     TRUNC
--------- --------- ---------
20-OCT-23 01-NOV-23 01-OCT-23

SQL> SELECT
  2  SYSDATE  Today,
  3  ROUND(SYSDATE,'MONTH') Round,
  4  TRUNC(SYSDATE, 'MONTH') Trunc
  5  FROM DUAL;

TODAY      ROUND     TRUNC
```

```
--------- --------- ---------
12-OCT-23 01-OCT-23 01-OCT-23

SQL> SELECT
  2  SYSDATE  Today,
  3  ROUND(SYSDATE,'YEAR') Round,
  4  TRUNC(SYSDATE, 'YEAR') Trunc
  5  FROM DUAL;

TODAY      ROUND      TRUNC
--------- --------- ---------
20-OCT-23 01-JAN-24 01-JAN-23

SQL> SELECT
  2  SYSDATE  Today,
  3  ROUND(SYSDATE,'YEAR') Round,
  4  TRUNC(SYSDATE, 'YEAR') Trunc
  5  FROM DUAL;

TODAY      ROUND      TRUNC
--------- --------- ---------
20-MAR-23 01-JAN-23 01-JAN-23

SQL> SELECT
  2  LAST_DAY(SYSDATE) CURRMONTHLASTDAY
  3  FROM DUAL;

CURRMONTH
---------
31-OCT-23

SQL> SELECT
  2  ADD_MONTHS(LAST_DAY(SYSDATE), -1) CURRMONTHLASTDAY
  3  FROM DUAL;

CURRMONTH
---------
30-SEP-23

SQL> SELECT
  2  TRUNC(SYSDATE, 'MONTH')
  3  FROM DUAL;

TRUNC(SYS
---------
01-OCT-23

SQL> SELECT
  2  TRUNC(SYSDATE, 'MONTH') -1
  3  FROM DUAL;

TRUNC(SYS
---------
30-SEP-23
```

```
SQL> SELECT
  2  'The No. of Days Left In This Month Are: '||
     TRUNC(LAST_DAY(SYSDATE) - SYSDATE) NDays
  3  FROM DUAL;

NDAYS
--------------------------------------------------------------------------
-------
The No. of Days Left In This Month Are: 11

SQL> SPOOL OFF
```