```
SQL> SELECT COUNT(*) FROM DUAL;

  COUNT(*)
----------
         1

SQL> SELECT * FROM DUAL;

D
-
X

SQL> desc dual;
 Name                                    Null?    Type
 ---------------------------------------- -------- ---------------------------
 DUMMY                                             VARCHAR2(1)

SQL> SELECT 'ABCDEF12345' FROM DUAL;

'ABCDEF1234
-----------
ABCDEF12345

SQL> SELECT 123792.52 FROM DUAL;

 123792.52
----------
 123792.52

SQL> DELETE FROM DUAL;
DELETE FROM DUAL
       *
ERROR at line 1:
ORA-01031: insufficient privileges


SQL> TRUNCATE TABLE DUAL;
TRUNCATE TABLE DUAL
        *
ERROR at line 1:
ORA-00942: table or view does not exist


SQL> SELECT sysdate FROM DUAL ;
```

```
SYSDATE
---------
04-MAR-21

SQL> SELECT 15+10-5*5/5 FROM DUAL;

15+10-5*5/5
-----------
         20
```

STRING FUNCTIONS

```
SQL> SELECT CONCAT('Hello' , 'World')
  2  FROM dual
  3  ;

CONCAT('HE
----------
HelloWorld

SQL> select concat('hello','world') from dual;

CONCAT('HE
----------
helloworld

SQL> SELECT INSTR('hello' , 'e')
  2  FROM dual
  3  ;

INSTR('HELLO','E')
------------------
                 2

SQL> SELECT LENGTH('hello')
  2  FROM dual;

LENGTH('HELLO')
---------------
              5

SQL> SELECT RTRIM(' hello   ')
  2  FROM dual;

RTRIM(
```

```
------
 hello

SQL> SELECT LTRIM('  hello    ')
  2  FROM dual;

LTRIM('HE
---------
hello

SQL> SELECT REPLACE('hello' , 'e' , '$')
  2  FROM dual
  3  ;

REPLA
-----
h$llo

SQL> SELECT REVERSE('hello')
  2  FROM dual;

REVER
-----
olleh

SQL> SELECT SUBSTR('hello' , 2,3)
  2  FROM dual;

SUB
---
ell

SQL> SELECT LOWER('HELLO')
  2  FROM dual;

LOWER
-----
hello

SQL> SELECT UPPER('hello')
  2  FROM dual;

UPPER
-----
```

HELLO

SQL> SELECT INITCAP('hello')
  2 FROM dual;

INITC

Hello

SQL> select substr('hello',2);
select substr('hello',2)
                *
ERROR at line 1:
ORA-00923: FROM keyword not found where expected

SQL> select substr('hello',2) from dual;

SUBS
----
ello

SQL> select substr('helloworld',2) from dual;

SUBSTR('H
----
elloworld

SQL> select substr('helloworld',5,4) from dual;

SUBS
----
owor

NUMERIC FUNCTIONS
SQL> SELECT TRUNC(59.9)
  2 FROM dual;

TRUNC(59.9)

        59

SQL> SELECT CEIL(59.1)
  2 FROM dual;

```
CEIL(59.1)
----------
        60

SQL> SELECT ROUND(59.9)
  2  FROM dual;

ROUND(59.9)
-----------
        60

SQL> SELECT ROUND(59.1)
  2  FROM dual;

ROUND(59.1)
-----------
        59
```

DATE FUNCTIONS
```
SQL> SELECT ADD_MONTHS('05-JAN-2020',4) FROM DUAL;

ADD_MONTH
---------
05-MAY-20

SQL> select current_date from dual;

CURRENT_D
---------
04-MAR-21

SQL> select current_timestamp from dual;

CURRENT_TIMESTAMP
---------------------------------------------------------------------------
04-MAR-21 12.48.13.679000 PM +05:30

SQL> select extract(year from sysdate) from dual;

EXTRACT(YEARFROMSYSDATE)
------------------------
                    2021
```

```
SQL> select extract(day from sysdate) from dual;

EXTRACT(DAYFROMSYSDATE)
-----------------------
                      4



SQL> select extract(month from sysdate) from dual;

EXTRACT(MONTHFROMSYSDATE)
-------------------------
                       3

SQL> SELECT LAST_DAY('15-AUG-2014') from dual;

LAST_DAY(
---------
31-AUG-14

SQL> SELECT LAST_DAY('15-feb-2020') from dual;

LAST_DAY(
---------
29-FEB-20

SQL> SELECT MONTHS_BETWEEN('01-MAY-2020','01-JAN-2020') FROM DUAL;

MONTHS_BETWEEN('01-MAY-2020','01-JAN-2020')
-------------------------------------------
                                          4

SQL> select sysdate from dual;

SYSDATE
---------
04-MAR-21



SQL> SELECT SQRT(4) FROM DUAL;

   SQRT(4)
----------
         2
SQL> SELECT power(4,2) from dual;
```

```
POWER(4,2)
----------
        16
```