Question: ***Perform the String Functions, Date functions and Mathematical functions supported.***

```
SQL> SELECT ASCII('t') FROM dual;

ASCII('T')
----------
       116


SQL> SELECT ASCII('a') FROM dual;

ASCII('A')
----------
        97


SQL> SELECT ASCII('A') FROM dual;

ASCII('A')
----------
        65


SQL> SELECT ASCII('Z') FROM dual;

ASCII('Z')
----------
        90


SQL> SELECT ASCII('z') FROM dual;

ASCII('Z')
----------
       122


SQL> SELECT UPPER('bldea sb art and kcp science college') FROM dual;

UPPER('BLDEASBARTANDKCPSCIENCECOLLEG
------------------------------------
BLDEA SB ART AND KCP SCIENCE COLLEGE
```

```
SQL> SELECT LOWER('welcome to dbms lab') FROM dual;
LOWER('WELCOMETODBM
-------------------
welcome to dbms lab

SQL> SELECT LOWER('WELCOME TO DBMSLAB') FROM dual;
LOWER('WELCOMETODB
------------------
welcome to dbmslab

SQL> SELECT REPLACE ('HELLO', 'H', 'K') FROM dual;
REPLA
-----
KELLO

SQL> SELECT REPLACE ('COMPUTER', 'C', 'K') FROM dual;
REPLACE(
--------
KOMPUTER

SQL> SELECT REPLACE ('HELLO', 'L', 'A') FROM dual;
REPLA
-----
HEAAO

SQL> SELECT TRIM('A' FROM 'ANACONDA') FROM dual;
TRIM('
------
NACOND

SQL> SELECT LTRIM('ANACONDA', 'A') FROM dual;
LTRIM('
```

```
-------
NACONDA

SQL> SELECT RTRIM('ANITA', 'A') FROM dual;
RTRI
----
ANIT

SQL> SELECT LTRIM('ANIL', 'A') FROM dual;
LTR
---
NIL

SQL> SELECT RTRIM('ANACONDA', 'A') FROM dual;
RTRIM('
-------
ANACOND

SQL> SELECT CURRENT_DATE FROM dual;
CURRENT_D
---------
07-OCT-22

SQL> SELECT EXTRACT(YEAR FROM SYSDATE) FROM dual;
EXTRACT(YEARFROMSYSDATE)
------------------------
                    2022

SQL> SELECT EXTRACT(DAY FROM SYSDATE) FROM dual;
EXTRACT(DAYFROMSYSDATE)
-----------------------
                     7
```

```
SQL> SELECT EXTRACT(MONTH FROM SYSDATE) FROM dual;
EXTRACT(MONTHFROMSYSDATE)
-------------------------
                       10

SQL> SELECT SYSDATE FROM dual;
SYSDATE
---------
07-OCT-22

SQL> SELECT ABS(-100) FROM dual;
 ABS(-100)
----------
       100

SQL> SELECT ABS(-6) FROM dual;
   ABS(-6)
----------
         6

SQL> SELECT FLOOR(2345.78) FROM dual;
FLOOR(2345.78)
--------------
          2345

SQL> SELECT GREATEST(23, 67, 90, 123, 78, 50) FROM dual;
GREATEST(23,67,90,123,78,50)
----------------------------
                         123

SQL> SELECT LEAST(34, 21,67,11,89,9) FROM DUAL;
```

```
LEAST(34,21,67,11,89,9)
-----------------------
                     9

SQL> SELECT LENGTH('RAJESHWARI') FROM dual;
LENGTH('RAJESHWARI')
--------------------
                  10

SQL> SELECT LENGTH(17245637) FROM dual;
LENGTH(17245637)
----------------
               8

SQL> SELECT SQRT(16) FROM dual;
 SQRT(16)
----------
         4

SQL> SELECT SQRT(99) FROM dual;
 SQRT(99)
----------
9.94987437

SQL> SELECT POWER(2, 4) FROM dual;
POWER(2,4)
----------
        16

SQL> SELECT POWER(2, 10) FROM dual;
POWER(2,10)
-----------
```

```
      1024

SQL> SELECT ROUND(5.86) FROM dual;
ROUND(5.86)
-----------
         6

SQL> SELECT ROUND(1001.6) FROM dual;
ROUND(1001.6)
-------------
        1002

SQL> SELECT ROUND(1001.3) FROM dual;
ROUND(1001.3)
-------------
        1001

SQL> SELECT SIN(90) FROM dual;
  SIN(90)
----------
.893996664

SQL> SELECT COS(45) FROM dual;
  COS(45)
----------
.525321989

SQL> SELECT TAN(30) FROM dual;
  TAN(30)
----------
-6.4053312
```

```
SQL> SELECT TAN(90) FROM dual;

   TAN(90)
----------
-1.9952004

SQL> SELECT TAN(180) FROM dual;

  TAN(180)
----------
1.33869021

SQL> SELECT SIGN(-128) FROM dual;
SIGN(-128)
----------
        -1

SQL> SELECT SIGN(10) FROM dual;

  SIGN(10)
----------
         1

SQL> SELECT SIGN(0) FROM dual;

   SIGN(0)
----------
         0

SQL> SELECT LN(100) FROM dual;

   LN(100)
----------
4.60517019

SQL> SELECT LN(10) FROM dual;

    LN(10)
```

```
----------
2.30258509

SQL> SELECT LOG(10, 100) FROM dual;
LOG(10,100)
-----------
         2

SQL> SELECT LOG(100, 10) FROM dual;
LOG(100,10)
-----------
        .5

SQL> SELECT MOD(4, 3) FROM dual;
  MOD(4,3)
----------
         1

SQL> SELECT MOD(4, 2) FROM dual;
  MOD(4,2)
----------
         0

SQL> SELECT EXP(2) FROM dual;
    EXP(2)
----------
 7.3890561

SQL> SELECT EXP(-2) FROM dual;
   EXP(-2)
----------
.135335283
```

```
SQL> SELECT EXP(0) FROM dual;

   EXP(0)
----------
         1
```