

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 arts and kcp science college') from dual;
```

```
UPPER('BLDEASBARTSANDKCPSCIENCECOLLEG
```

```
-----
```

```
BLDEA SB ARTS 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 ltrim ('ANIL','A') from dual;
```

```
LTR
```

```
---
```

```
NIL
```

```
SQL> select rtrim('ANITA','A') from dual;
```

```
RTRI
```

```
----
```

```
ANIT
```

```
SQL> select rtrim('ANACONDA','A') from dual;
```

```
RTRIM('
```

```
-----
```

```
ANACOND
```

```
SQL> select rtrim('ANACONDA ', 'A') from dual;
```

```
RTRIM('AN
```

```
-----
```

```
ANACONDA
```

Date functions

```
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
```

Mathematical functions

```
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(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
```