

Ex - 7a

String, Date, Math.

Aim: To implement commands of string, Math and Date functions.

Commands:

Upper:

- used to convert string to uppercase

Syntax:

SELECT upper <content> from dual;

Ex:

```
select upper ('sairam') from dual;  
      |sairam
```

Lower:

- used to convert string to lower case

Syntax:

SELECT lower <content> from dual;

Ex: |sairam

Initcap:

- used to set first letter of word in uppercase

Syntax:

SELECT initcap <content> from dual;

Ex:

```
SELECT initcap('lab') from dual;  
      |lab
```

Ltrim:

- to remove leading spaces

Syntax:

select ltrim <ltrim content> from dual;

Rtrim:

- to remove trailing spaces.

Syntax:

select rtrim <content> from dual;

Concat:

- to add two things together

Syntax: select concat (<content>, <content2>) from dual;

replace:

- to replace all occurrences of substring

Syntax: select replace (<content>, '<content1>', '<content2>') from dual;

Substr:

- used to extract substring from string

Syntax:

select substr ('DBMS', 1, 2) from dual;

| DB

Rpad:

- used to rightpad a string with another string

Syntax:

select rpad (<content>, <value>) from dual;

Lpad:

- used to left pad a string with another string

Syntax: select lpad (<content>, <value>) from dual;

Ex: select lpad ('DBMS', 4, 'x') from dual;

Translate:

- used to replace sequence of characters with another sequence

Syntax: select translate (<content>, '<content1>', '<content2>') from dual;

Sysdate:

- used to return current date & time

Syntax: select sysdate from dual;

| - 21-10-22

Round:

- used to round off to return a value.

Syntax:

select round (sydate from dual;

| - 21-MAR-22

Add-months:

- used to return date with given number of months

Syntax:

select add-months (sydate, 4) from dual;

Last-day:

- used to return last day of the month

Syntax:

select last-day (sydate) from dual;

| - 31-MAR-22

Next-day:

- used to return next day of the month

Syntax:

select next-day (sydate, 'tuesday') from dual;

Ceil:

- used to return smallest integer value

Syntax:

select ceil (23.20) from dual;

| - 24

Floor:

- used to return largest integer value

Syntax:

select floor (34.5) from dual;

| - 34

Trunc:

- used to return date with time of day truncated to the next

Syntax:

select trunc (15.564) from dual;

| - 15

Sign: - used to return sign of number

Syntax: select sign (-345) from dual;
| -1

Abs: - used to return absolute value of number

Syntax: select abs (45) from dual;
| 45

Power: - used to return value of number

Syntax: select power (10, 12) from dual;
| 1.0000E+12

Mod: - used to return the remainder of number

Syntax: select mod (11, 5) from dual;
| 1

Exp: - used to return e-raised to power

Syntax: select exp (10) from dual;
| 22026.4658

Sqrt: - used to return root of a number

Syntax: select sqrt (225) from dual;
| 15

Ex-14b

Sub Queries

Aim: To implement commands of sub queries.

Commands:

```
CREATE table emp2 (empno number(4), ename varchar(20),  
job varchar(20), sal number(6), mgrno number(4),  
deptno number(2));  
+ table created.
```

Result:

The commands were successfully executed.