Practical-6

Aim   Queries involving

- Date Functions
- String Functions
- Math Functions

Output   :

- Date Functions

ADDDATE   (date, INTERVAL   value unit);
CURDATE()   returns the current date.
Syntax   CURDATE();
SYSDATE()   returns the current date and time.
Syntax   SYSDATE();
NOW()   also returns the current date and time.
Syntax   NOW();
DAYNAME()   returns the weekday name for a
date.
Syntax   DAYNAME(date_value);
DAYOFMONTH()   returns the day portion of a
date value.
Syntax   DAYOFMONTH(date_value);

value.

Syntax   DAYOFYEAR(date_value);

DAYOFWEEK()   returns the weekday   index for a date value.

Syntax   DAYOFWEEK(date_value);

• String Functions

CONCAT   function allows us to concatenate two or more expressions together.

Syntax   CONCAT   (expr1, expr2, ...,exprn);

LENGTH   function returns the length of a given stringor expression.

Syntax   LENGTH   (string);

Lcase or lower function converts all characters in the specifiedstringto lowercase.

Syntax   lcase(string);

ucase or upper function converts all characters in the specifiedstringto uppercase.

Syntax   ucase(string);

ltrim function removes all space characters from the lefthand side of a string.

Syntax   ltrim(string);

rtrim function removes all space characters from the righthand side of a

string.

Syntax   rtrim(string);

trim function removes allspecifiedcharacters eitherfrom the beginning or the end of a string.

Syntax   trim(string);

substr function allows us to extracta substring from a string.

Syntax   substr(string, start_position[,length]);

instr function returnsthe location of a substring in a string.

Syntax   instr(string, substring);

leftfunction used to extracta substring from a string, startingfrom the leftmost character.

Syntax   left string,no. of characters);

• Math Functions

MOD   function returnsthe remainder of n divided by m.

Syntax   MOD (n,m);

ROUND   function returnsa number rounded to a certainnumber of decimal places.

Syntax   LENGTH   (string);

POWER   function returnsm raisedto the nth power.

Syntax   POWER   (m,n);

number. This function return NULL, if the number is a negative value.

Syntax SQRT (number);

TRUNCATE function returns a number truncated to a certain number of decimal places.

Syntax TRUNCATE (number, decimal places);