STRING FUNCTIONS

- UPPER – It returns all the alphabets in upper case

- UPPER('Sunday') gives SUNDAY

- LOWER – It returns all the alphabets in lower case

- LOWER('Sunday') gives sunday

- CONCAT – It is used for joining the strings.

- CONCAT ('Good' , 'Morning') gives GoodMorning

- LTRIM – It removes leading blank spaces

- LTRIM ('   JANUARY') gives JANUARY

- RTRIM – It removes trailing blank spaces

- RTRIM ('MARCH   ') gives MARCH

- TRIM – It removes leading as well as trailing blank spaces

- TRIM (' BEST OF LUCK ') gives BEST OF LUCK

- LENGTH – It gives length ie no of characters in a string

- LENGTH('HAPPINESS') gives 9

- LEFT('String' , n) – It gives first n characters

- LEFT ('GOOD DAY' , 4) gives GOOD

- RIGHT('String' , n) – It gives last n characters

- RIGHT ('GOOD DAY' , 4) gives _ DAY

- MID(' String' , Start position , length) – It gives n characters starting from specified start position.

- MID('Wednesday' , 3,2) gives dn

- REVERSE ('String') – It gives string in reverse order

- REVERSE('PRINCIPAL') =LAPICNIRP

NUMERIC FUNCTIONS

- ABS – It returns absolute value by ignoring it's sign.

- ABS(-49.72) gives 49.72

- ABS (8521) gives 8521

- MOD(M, N) – It returns remainder when M is divided by N.

- MOD(10 , 5) = 0

- MOD(21 , 4) = 1

- ROUND (x , d) – It returns given number after rounding off to specified decimal spaces.

- ROUND (325.82) gives 326

- It rounds up to the nearest integer

- ROUND (325.82 , 1) gives 325.8

- It rounds up to the 1 decimal place

- ROUND (325.82 , -1) gives 330

- It rounds up to the nearest multiple of 10

- ROUND (325.82 , -2) gives 300

- It rounds up to the nearest multiple of 100

- SQRT – It returns square root of the number.

- SQRT(625) gives 25

- SQRT (4*5 + 5) gives 5

- POW(x , y) – It gives x raised to power y.

- POW (3 , 2) =9

DATE & TIME FUNCTION

- DATE – It returns date from the given date & time.

- DATE('2005-12-04 15:30:04') will return   2005-12-04

- CURDATE – It returns current date of the system.

- CURDATE () will give 2020-12-16

- NOW() – It displays current date & time

- NOW() gives 2020-12-16   9:00:02

- TIMESTAMP – It displays date or datetime with a single argument

- TIMESTAMP('2009-08-22') will give

- 2009-08-22 00:00:00

- YEAR – It will extract year part from given date

- YEAR('2009-08-22') will give 2009

- MONTH– It will extract month part from given date

- MONTH('2009-08-22') will give 08

- MONTHNAME() returns name of the month in the specified date.

- MONTHNAME('2012-05-09') gives May

- DAY() – It displays date part from the specified date.

- DAY ('2012-05-09') gives 09

- DAYNAME() returns weekday of the week in the specified date. Like Monday , Tuesday etc.

- DAYNAME ('2012-05-09') gives Friday.

- TIME – It extracts Time portion from date & time argument in HH:MM:SS form.

- TIME ('20007-05-18 15:40:20') gives 15:40:20

AGGREGATE FUNCTIONS

- AVG – It returns the average of the values in the argument.

- SELECT AVG(s_marks) FROM student;

- Will display average marks of students in table student.

- COUNT – It returns number of rows

- SELECT COUNT(*) from employee;

- Will display no. of rows in table employee.

- MAX– It returns the maximum of the values in the argument.

- SELECT MAX(s_marks) FROM student;

- Will display maximum marks of students in table student

- MIN– It returns the minimum of the values in the argument.

- SELECT MIN(s_marks) FROM student;

- Will display minimum marks of students in table student

- SUM– It returns the sum of the values in the argument.

- SELECT SUM(s_marks) FROM student;

- Will display sum of marks of students in table student

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