B.TECH. COMPUTER SCIENCE AND ENGINEERING – July - Dec, 2024

CSLR51 – Database Management Systems Laboratory

#Session: 1 || Date: 18/07/2024 || Due: 24/07/2024 @ 6 pm

Submission Logistics:

The queries need to be executed in MySQL platform and the outcome should be submitted below:
- A single .pdf file should be submitted which contains the following:
  Question (with proper question number) with its subsection,
  The corresponding Query and the Output you retrieved.
- The pdf file should be pushed into a folder named: <<RollNo>>_S1
- The above folder shall be placed in an another folder named: <<RollNo>>_CSLR51_DBS_Lab and pushed into a github link.

Marking Metrics: Logic of the Query, Understanding through Viva and Presentation.

Keyword based Queries in MySQL

1. Write SQL queries in MySQL for the following.

   a. Write an SQL Query to find the year from date.
   b. Check whether date passed to Query is the date of a given format or not.
   c. Find the size of the SCHEMA/USER.
   d. Display the current time.
   e. Given a date, retrieve the next day's date.
   f. Get database's date.
   g. Returns the default(current) database name.
   h. Retrieve the current MySQL user name and host name.
   i. Find the string that tells the MySQL server version.
   j. Perform Bitwise OR, Bitwise XOR and Bitwise AND.
   k. Find the difference between two dates and print in terms of the number of days.
   l. Add one day to the current date.
   m. Add two hours and 5000 minutes to the current date and print the new date.
   n. Find the floor and ceil values of a floating point number. Also operate on the power, log, modulus, round off and truncate functions.
   o. Compare two strings and print the value 'yes' if they are equal, else print 'no'.
   p. Simulate the "IF... ELSE" construct in MySQL for a mark and grade setup.
   q. Use IFNULL to check whether a mathematical expression gives a NULL value or not.

Reference: https://dev.mysql.com/doc/refman/5.7/en/date-and-time-functions.html

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