

**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. In the first name of the employee, match the following using regular expressions.
  - p. Compare two strings and print the value 'yes' if they are equal, else print 'no'.
  - q. Simulate the "IF... ELSE" construct in MySQL for a mark and grade setup.
  - r. 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>

**---THE END---**