**Lab 1: Get the Current Date and Time**

**Task:**

Write an SQL query to display the current date and time.

**Solution:**

SELECT NOW() AS CurrentDateTime;

**Lab 2: Extract Year, Month, and Day from a Date**

**Task:**

Write an SQL query to extract the year, month, and day from the current date.

**Solution:**

SELECT

YEAR(NOW()) AS Year,

MONTH(NOW()) AS Month,

DAY(NOW()) AS Day;

**Lab 3: Format a Date**

**Task:**

Write an SQL query to display the current date in the format DD-MM-YYYY.

**Solution:**

SELECT DATE\_FORMAT(NOW(), '%d-%m-%Y') AS FormattedDate;

**Lab 4: Add and Subtract Days from a Date**

**Task:**

Write SQL queries to add **10 days** and subtract **5 days** from the current date.

**Solution:**

SELECT

NOW() AS CurrentDate,

DATE\_ADD(NOW(), INTERVAL 10 DAY) AS DateAfter10Days,

DATE\_SUB(NOW(), INTERVAL 5 DAY) AS DateBefore5Days;

**Lab 5: Calculate the Difference Between Two Dates**

**Task:**

Write an SQL query to calculate the number of days between **'2024-01-01'** and today's date.

**Solution:**

SELECT DATEDIFF(NOW(), '2024-01-01') AS DaysDifference;

**Lab 6: Extract Time from a Datetime Value**

**Task:**

Write an SQL query to extract the **hour, minute, and second** from the current timestamp.

**Solution:**

SELECT

HOUR(NOW()) AS Hour,

MINUTE(NOW()) AS Minute,

SECOND(NOW()) AS Second;

**Lab 7: Find the First and Last Day of the Current Month**

**Task:**

Write SQL queries to find the **first day** and **last day** of the current month.

**Solution:**

SELECT

DATE\_FORMAT(NOW(), '%Y-%m-01') AS FirstDayOfMonth,

LAST\_DAY(NOW()) AS LastDayOfMonth;

**Lab 8: Convert a String to a Date**

**Task:**

Write an SQL query to convert the string '2025-12-31' into a date format.

**Solution:**

SELECT STR\_TO\_DATE('2025-12-31', '%Y-%m-%d') AS ConvertedDate;

**Lab 9: Get the Current Weekday Name**

**Task:**

Write an SQL query to return the **day name** (e.g., Monday, Tuesday) of the current date.

**Solution:**

SELECT DAYNAME(NOW()) AS Today;

**Lab 10: Find the Age from a Birthdate**

**Task:**

Write an SQL query to calculate the age of a person born on '1990-05-15'.

**Solution:**

SELECT TIMESTAMPDIFF(YEAR, '1990-05-15', NOW()) AS Age;