SQL Date Time function

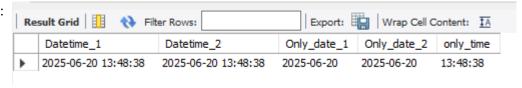
--- Result is depend when run the code -# 1. NOW() It's return current Date and Time select NOW(); Result: 2025-06-20 13:41:45 (Supported DBMS: MySQL, PostgreSQL, MariaDB.) # 2. CURDATE() It's return only current Date Result: 2025-06-20 (Supported DBMS: MySQL, MariaDB) select CURDATE(); select CURRENT_DATE(); Result: 2025-06-20 (Supported DBMS: PostgreSQL) # 3. CURTIME() It's return only current Time Result: 13:43:05 Result: 2025-06-20 (Supported DBMS: MySQL, MariaDB) select CURTIME(); Result: 13:43:28 (Supported DBMS: PostgreSQL) select CURRENT_TIME(); # 4. DATE() It's extract only date from a datetime select DATE(NOW()); Result: 2025-06-20 (Supported DBMS: MySQL, MariaDB) # 5. TIME() It's extract only time from a datetime select TIME(NOW()); Result: 13:44:09 (Supported DBMS: MySQL, MariaDB) # 6. DATEDIFF() It's define difference between date select DATEDIFF('2025-06-10','2025-05-10'); Result: 31 (Supported DBMS: MySQL, MariaDB)

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#7. DATE ADD() This function add interval number of day with specific date
select DATE ADD('2025-06-10', interval 5 day); Result: 2025-06-15
(Supported DBMS: MySQL, MariaDB)
#8. DATE SUB() This function subtract interval number of day with specific date
select DATE_SUB('2025-06-10', interval 5 day);
                                                  Result: 2025-06-05
(Supported DBMS: MySQL, MariaDB)
# 9. EXTRACT() This function use to extract day, month and year from a date
select EXTRACT(year from '2025-06-10');
                                           Result: 2025
(Supported DBMS: MySQL, PostgreSQL, MariaDB, Oracle)
# 10. STR_TO_DATE() It's convert a string to date with specific format
SELECT STR_TO_DATE('10-07-2025','%d-%m-%y');
                                                  Result: 2020-07-10
(Supported DBMS: MySQL, MariaDB)
# 11. YEAR(), MONTH(), DAY() These are returns the day, month and year
                     Result: 2025 (Supported DBMS: MySQL, MariaDB)
select YEAR(NOW());
select MONTH(SYSDATE());
                             Result: 6 (Supported DBMS: MySQL, MariaDB)
select DAY(NOW());
                     Result: 20 (Supported DBMS: MySQL, MariaDB, SQL Server)
# 12. HOUR(), MINUTE(), SECOND() These are return hour, minute and second
select HOUR(CURRENT_TIME());
                                    Result: 13 (Supported DBMS: MySQL, MariaDB)
                             Result: 48 (Supported DBMS: MySQL, MariaDB)
select MINUTE(NOW());
select SECOND(NOW());
                             Result: 25 (Supported DBMS: MySQL, MariaDB)
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combine multiple function_1

select NOW() as Datetime_1, SYSDATE() as Datetime_2, CURDATE() as Only_date_1, CURRENT_DATE() as Only_date_2, CURRENT_TIME() as only_time;

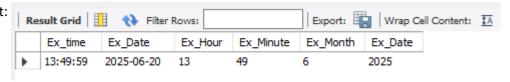
Result:



combine multiple function_2. (Ex=Extract)

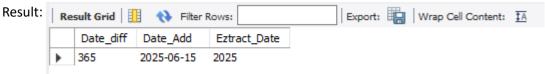
select TIME(NOW()) as Ex time, DATE(SYSDATE()) as Ex Date, HOUR(NOW()) as Ex Hour, MINUTE(CURRENT_TIME()) as Ex_Minute, MONTH(NOW()) as Ex_Month, YEAR(SYSDATE()) as Ex_Date;

Result:



combine multiple function_3

select DATEDIFF('2025-06-10','2024-06-10') as Date_diff, DATE_ADD('2025-06-10', interval 5 Day) as Date ADD, EXTRACT(year from '2025-06-10') as Extract Date;



ASCII This function use to convert string to ASCII code

select ASCII('S');

Result: 83 (Supported DBMS: MySQL, PostgreSQL, MariaDB, Oracle)