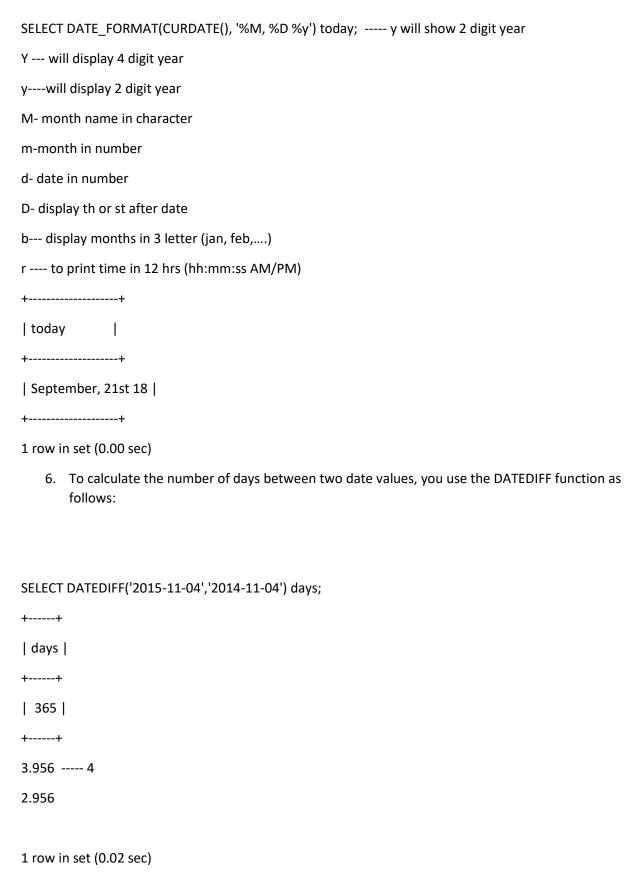
Date	fun	ctions	in	m١	/รด	I
Dute	IUII	CLIOIIS			yэч	ı

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1. To get the current date and time, you use NOW() function. This will print date and time bot	h
Mysql >SELECT NOW();	
2. To get only date part of a DATETIME value, you use the DATE() function. Removes time portion	
SELECT DATE(NOW());	
3. To get the current system date, you use CURDATE() function as follows:	
SELECT CURDATE();	
'22/11/1981'	
4. to convert user given data in user format to mysql format to store into table	
Str_to_date(22/11/1982,'%d/%b/%y') #####1982-11-22	
5. To format a date value, you use DATE_FORMAT function. The following statement formats the date as mm/dd/yyyy using the date format pattern %m/%d/%Y:	
SELECT DATE_FORMAT(CURDATE(), '%m/%d/%Y') today;	
today	
++	
07/13/2015	
++	



7. To add a number of days, weeks, months, years, etc., to a date value, you use the DATE_ADD function:

```
Date_add(Date_add(DATE_ADD('2015-01-01', INTERVAL 2 YEAR), INTERVAL 6 MONTH), interval 4
day) SELECT
  '2015-01-01' start,
  DATE ADD('2015-01-01', INTERVAL 1 DAY) 'one day later',
  DATE_ADD('2015-01-01', INTERVAL 1 WEEK) 'one week later',
  DATE_ADD('2015-01-01', INTERVAL 1 MONTH) 'one month later',
  DATE_ADD('2015-01-01', INTERVAL 1 YEAR) 'one year later';
Date_add(DATE_ADD('2015-01-01', INTERVAL 2 YEAR), INTERVAL 6 MONTH)
   8. Similarly, you can subtract an interval from a date using the DATE_SUB function:
SELECT
  '2015-01-01' start,
  DATE_SUB('2015-01-01', INTERVAL 1 DAY) 'one day before',
  DATE_SUB('2015-01-01', INTERVAL 1 WEEK) 'one week before',
  DATE_SUB('2015-01-01', INTERVAL 1 MONTH) 'one month before',
  DATE SUB('2015-01-01', INTERVAL 1 YEAR) 'one year before';
   9. If you want to get the day, month, quarter, and year of a date value, you can use the
       corresponding function DAY, MONTH, QUARTER, and YEAR as follows:
SELECT DAY('2000-12-31') day,
```

MONTH('2000-12-31') month,

QUARTER('2000-12-31') quarter,

YEAR('2000-12-31') year;

+-----+

+----+

| day | month | quarter | year |

| 31 | 12 | 4 | 2000 |

+----+

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10. To get the week information week related functions. For example, WEEK function returns the week number, WEEKDAY function returns the weekday index, and WEEKOFYEAR function returns the calendar week.

```
SELECT

WEEKDAY('2000-12-31') weekday,

WEEK('2000-12-31') week,

WEEKOFYEAR('2000-12-31') weekofyear;

+-----+

| weekday | week | weekofyear |

+-----+

| 6 | 53 | 52 |

+-----+
```

11. The week function returns the week number with the zero-based index if you don't pass the second argument or if you pass 0. If you pass 1, it will return week number with 1-indexed.

In weekday Monday-0, Tuesday-1,...., Sunday-6

```
SELECT
```

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```
WEEKDAY('2000-12-31') weekday,

WEEK('2000-12-31',1) week,

WEEKOFYEAR('2000-12-31') weekofyear;

+-----+

| weekday | week | weekofyear |

+-----+

| 6 | 52 | 52 |

+-----+
```

1 row in set (0.00 sec)

https://www.mysqltutorial.org/mysql-week/

^{2&}lt;sup>nd</sup> argument in week function

Mode	First day of week	Range	Week 1 is the first week
0	Sunday	0-53	with a Sunday in this year
1	Monday	0-53	with more than 3 days this year
2	Sunday	1-53	with a Sunday in this year
3	Monday	1-53	with more than 3 days this year
4	Sunday	0-53	with more than 3 days this year
5	Monday	0-53	with a Monday in this year
6	Sunday	1-53	with more than 3 days this year
7	Monday	1-53	with a Monday in this year

+----+

extract(day from curdate())
++
21
++
to display month in characters
select monthname(curdate());
++
monthname(curdate())
++
September
++
1 row in set (0.00 sec)
mysql> select dayname(curdate());
++
dayname(curdate())
++
Friday
++
1 row in set (0.00 sec)
last_day(curdate()) to find date for last day of current month