# MySQL Date and Time Exercises: Write a query to display the first day of the month (in datetime format) three months before the current month

Write a query to display the first day of the month (in datetime format) three months before the current month.

Sample current date : 2014-09-03   
Expected result : 2014-06-01

SELECT date(((PERIOD\_ADD(EXTRACT(YEAR\_MONTH FROM CURDATE()),-3)\*100)+1));

# MySQL Date and Time Exercises: Query to display the last day of the month (in datetime format) three months before the current month

Write a query to display the last day of the month (in datetime format) three months before the current month.

SELECT (SUBDATE(ADDDATE(CURDATE(),INTERVAL 1 MONTH),INTERVAL DAYOFMONTH(CURDATE())DAY))AS LastDayOfTheMonth;

# MySQL Date and Time Exercises: Query to get the distinct Mondays from hire\_date in employees tables

Write a query to get the distinct Mondays from hire\_date in employees tables.

Sample table: employees

SELECT DISTINCT(STR\_TO\_DATE(CONCAT(YEARWEEK(hire\_date),'1'),'%x%v%w')) FROM employees;

# MySQL Date and Time Exercises: Query to get the first day of the current year

Write a query to get the first day of the current year

SELECT MAKEDATE(EXTRACT(YEAR FROM CURDATE()),1);

# MySQL Date and Time Exercises: Query to get the last day of the current year

Write a query to get the last day of the current year.

SELECT STR\_TO\_DATE(CONCAT(12,31, EXTRACT(YEAR FROM CURDATE())), '%m%d%Y');

# MySQL Date and Time Exercises: Query to calculate the age in year

Write a query to calculate the age in year.

SELECT YEAR(CURRENT\_TIMESTAMP) - YEAR("1967-06-08") - (RIGHT(CURRENT\_TIMESTAMP, 5) < RIGHT("1967-06-08", 5)) as age;

# MySQL Date and Time Exercises: Query to get the current date in the following format

Write a query to get the current date in the following format.

Sample date : 2014-09-04  
Output : September 4, 2014

SELECT DATE\_FORMAT(CURDATE(),'%M %e, %Y') AS 'Current\_date';

# MySQL Date and Time Exercises: Query to get the current date in the following format(Thursday September 2014)

Write a query to get the current date in the following format(Thursday September 2014).

Sample Date: Thursday September 2014

SELECT DATE\_FORMAT(NOW(), '%W %M %Y');

# MySQL Date and Time Exercises: Query to extract the year from the current date

Write a query to extract the year from the current date.

SELECT EXTRACT(YEAR FROM NOW());

# MySQL Date and Time Exercises: Query to get the DATE value from a given day (number in N)

Write a query to get the DATE value from a given day (number in N).  
Sample days : 730677  
Output : 2000-07-11

SELECT FROM\_DAYS(730677);

# MySQL Date and Time Exercises: Query to get the first name and hire date from employees table where hire date between '1987-06-01' and '1987-07-30'

Write a query to get the first name and hire date from employees table where hire date between '1987-06-01' and '1987-07-30'.

# MySQL Date and Time Exercises: Query to display the current date in the following format

Write a query to display the current date in the following format.  
Sample output : Thursday 4th September 2014 00:00:00

SELECT date\_format(CURDATE(),'%W %D %M %Y %T');

# MySQL Date and Time Exercises: Query to display the current date in a given format

Write a query to display the current date in a given format.

Sample output : 05/09/2014

SELECT date\_format(CURDATE(),'%d/%m/%Y');

# MySQL Date and Time Exercises: Query to display the current date in the specified format

Write a query to display the current date in the specified format.

SELECT date\_format(CURDATE(),'%l:%i %p %b %e, %Y');

# MySQL Date and Time Exercises: Query to get the firstname, lastname who joined in the month of June

Write a query to get the firstname, lastname who joined in the month of June.

SELECT first\_name, last\_name FROM employees WHERE MONTH(HIRE\_DATE) = 6;

# MySQL Date and Time Exercises: Query to get the years in which more than 10 employees joined

Write a query to get the years in which more than 10 employees joined.

SELECT DATE\_FORMAT(HIRE\_DATE,'%Y') FROM employees GROUP BY DATE\_FORMAT(HIRE\_DATE,'%Y') HAVING COUNT(EMPLOYEE\_ID) > 10;

# MySQL Date and Time Exercises: Write a query to get first name of employees who joined in 1987

Write a query to get first name of employees who joined in 1987.

SELECT FIRST\_NAME, HIRE\_DATE FROM employees WHERE YEAR(HIRE\_DATE)=1987;

# MySQL Date and Time Exercises: Query to get department name, manager name, and salary of the manager for all managers whose experience is more than 5 years

Write a query to get department name, manager name, and salary of the manager for all managers whose experience is more than 5 years.

SELECT DEPARTMENT\_NAME, FIRST\_NAME, SALARY FROM departments D JOIN employees E ON (D.MANAGER\_ID=E.MANAGER\_ID) WHERE (SYSDATE()-HIRE\_DATE) / 365 > 5;

# MySQL Date and Time Exercises: Query to get employee ID, last name, and date of first salary of the employees

Write a query to get employee ID, last name, and date of first salary of the employees.

SELECT employee\_id, last\_name, hire\_date, LAST\_DAY(hire\_date) FROM employees;

# MySQL Date and Time Exercises: Query to get first name, hire date and experience of the employees

Write a query to get first name, hire date and experience of the employees.

SELECT FIRST\_NAME, SYSDATE(), HIRE\_DATE, DATEDIFF( SYSDATE(), hire\_date )/365 FROM employees;