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

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [date](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(((PERIOD\_ADD (EXTRACT(YEAR\_MONTH FROM CURDATE()),-3)\*100)+1))

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

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) (SUBDATE(ADDDATE(CURDATE(),[INTERVAL](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/comparison-operators.html#function_interval) 1 MONTH),[INTERVAL](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/comparison-operators.html#function_interval) DAYOFMONTH(CURDATE())DAY)) AS LastDayOfTheMonth

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

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) DISTINCT(STR\_TO\_DATE (CONCAT(YEARWEEK(hire\_date),'1'),'%x%v%w')) FROM employees

**4.** Write a query to get the first day of the current year.

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) MAKEDATE(EXTRACT([YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html) FROM CURDATE()),1)

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

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) STR\_TO\_DATE(CONCAT(12,31, EXTRACT([YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html) FROM CURDATE())), '%m%d%Y')

**6.** Write a query to calculate the age in year

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(CURDATE()) -[YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)('1997-03-18')

**7.** Write a query to get the current date in the following format. [Go to the editor](https://www.w3resource.com/mysql-exercises/date-time-exercises/#PracticeOnline)  
Sample date : 2014-09-04  
Output : September 4, 2014

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) DATE\_FORMAT([DATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(CURDATE()), '%M %e, %Y')

**8.** Write a query to get the current date in Thursday September 2014 format.

Thursday September 2014

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) DATE\_FORMAT('1997-03-18', '%W %M %Y')

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

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)([CURRENT\_DATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-functions.html#function_current_date)) AS 'CURRENT YEAR'

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

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) FROM\_DAYS(730687)

**11.** 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'

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) CONCAT(FIRST\_NAME,'',LAST\_NAME), HIRE\_DATE FROM employees WHERE HIRE\_DATE BETWEEN '1987-06-01' [and](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) '1987-07-30'

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

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) DATE\_FORMAT([DATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(CURDATE()), '%W %D %M %Y')

**13.** Write a query to display the current date in the following format.    
Sample output: 05/09/2014

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) DATE\_FORMAT([CURRENT\_DATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-functions.html#function_current_date), '%e/%m/%Y')

**14.** Write a query to display the current date in the following format.    
Sample output: 12:00 AM Sep 5, 2014

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) date\_format(CURDATE(),'%l:%i %p %b %e, %Y')

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

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) CONCAT(FIRST\_NAME, '' , LAST\_NAME), HIRE\_DATE FROM employees WHERE MONTH(HIRE\_DATE) = 6

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

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) DATE\_FORMAT(HIRE\_DATE,'%Y'), [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(DATE\_FORMAT(HIRE\_DATE,'%Y')) FROM employees GROUP BY DATE\_FORMAT(HIRE\_DATE,'%Y') HAVING [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(EMPLOYEE\_ID)>10

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

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) FIRST\_NAME FROM employees WHERE [YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(HIRE\_DATE) = 1987

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

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) D.DEPARTMENT\_NAME, E.FIRST\_NAME, E.LAST\_NAME, E.SALARY, [YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(E.HIRE\_DATE) FROM departments AS D INNER JOIN employees AS E ON D.MANAGER\_ID = E.EMPLOYEE\_ID WHERE DATE\_FORMAT(HIRE\_DATE, '%Y') < 2017

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

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) FIRST\_NAME, LAST\_NAME, HIRE\_DATE, LAST\_DAY(HIRE\_DATE) FROM employees

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

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) FIRST\_NAME, HIRE\_DATE, DATEDIFF(CURDATE(), HIRE\_DATE)/365 AS EXPERIENCE FROM employees

**21.** Write a query to get the department ID, year, and number of employees joined.

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) DEPARTMENT\_ID, [YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(HIRE\_DATE), [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)([YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/date-and-time-types.html)(HIRE\_DATE)) FROM employees GROUP BY DEPARTMENT\_ID