Date and Time functions

**1. 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**

Ans. select date\_format(date\_sub('2014-09-03',interval 3 month),'%Y-%m-01');

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

Ans. select timestamp(last\_day(date\_sub(curdate(),interval 3 month)));

1. **Write a query to get the distinct Mondays from hiredate in emp tables.**

Ans. select dayname(hiredate) day,hiredate, ename

-> from emp

-> where dayname(hiredate) = 'Monday';

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

**Ans.** select dayname(date\_format(curdate(), '%Y-01-01'));

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

**Ans.**  select dayname(date\_format(curdate(), '%Y-12-31'));

1. **Write a query to calculate your age in year.**

**Ans.** select timestampdiff(Year,'2003-04-08',curdate());

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

**Sample date : 04-sep-2014**

**Output : September 4, 2014**

**Ans.** select date\_format(curdate(),'%M %d, %Y');

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

**Thursday September 2014**

**Ans.** select date\_format(curdate(), '%W %M %Y');

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

**Ans.** select extract(year from curdate());

1. **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 ename, hiredate

-> from emp

-> where hiredate between '1987-06-01' and '1987-07-30' ;

**11. Write a query to display the current date in the following format.**

**Sample output: Thursday 4th September 2014 00:00:00**

**Ans.** select date\_format( timestamp(curdate()),'%D %M %Y %hh:%mm:%ss');

**12. Write a query to display the current date in the following format.**

**Sample output: 05/09/2014**

**Ans.** select date\_format(curdate(),'%d/%m/%Y');

**13. Write a query to display the current date in the following format.**

**Sample output: 12:00 AM Sep 5, 2014**

**Ans.** select date\_format(curdate(),'%h:%m %p %b %d,%Y');

1. **Write a query to get the employees who joined in the month of June.15.**

**Ans.** select \*

-> from emp

-> where hiredate between '2015-06-01' and '2015-06-30';

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

**Ans.** select year(hiredate)

-> from emp

-> group by year(hiredate)

-> having count(year(hiredate))>10;

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

**Ans.** select ename, year(hiredate)

-> from emp

-> where year(hiredate)=1987;

1. **Write a query to get employees whose experience is more than 5 years.**

**Ans.** select \*

-> from emp

-> where timestampdiff(YEAR,hiredate,curdate()) > 5;

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

**Ans.** select worker\_id, last\_name, date\_add(joining\_date, interval 1 month)

-> from worker;

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

**employees.**

**Sample table: employees**

**Ans.** select ename,hiredate, timestampdiff(year,hiredate,curdate()) exp

-> from emp;

1. **Write a query to get the year, and number of employees joined.**

select extract(year from hiredate) year, count(\*)

-> from emp

-> group by extract(year from hiredate);