1. *Display the Employee Name, Job, and Start Date of Employees hired from February 1981 to May 1981.*

*select ename,job,hiredate from emp where year(hiredate)=1981 and month(hiredate) between 2 and 5;*

1. *Display the Name and Hiredate of every Employee who was hired in 1982.*

select ename as "employee name", hiredate

from emp

where year(hiredate) = 1982;

1. *Write a query to display the current date. Label the column as Current Date.*

*select curdate() as "current date";*

1. *Display the Employee’s Name, Hiredate, Salary and Review Date, which is first Monday after six months of service.*

select ename as "employee name", hiredate, old\_salary as "salary",

date\_add(hiredate, interval 6 month) + interval (8 - weekday(date\_add(hiredate, interval 6 month))) day as "review date"

from emp;

1. *Modify the query to display the dates as “Sunday, the Seventh of September, 1981”.*

select ename as "employee name",

date\_format(hiredate, '%w, the %d of %m, %y') as "formatted hire date"

from emp;

1. *Create a query to display the name and salary for all Employees. Format the salary to be 15 characters long by adding ‘$’.*

*select ename as "employee name",*

*lpad(concat('$', old\_salary), 15, ' ') as "formatted salary"*

*from emp;*

1. *Display the Name, Hiredate and day of the week on which the employees started. Order the results by the Day of the week starting with Monday.*

select ename as "employee name", hiredate,

dayname(hiredate) as "day of the week"

from emp

order by field(dayofweek(hiredate), 2, 3, 4, 5, 6, 7, 1);

1. *Display details of orders received in the year 1986.*

*select \* from ord where year(orderdate) = 1986;*

1. *Write a query to find out the DAY (for example, SUNDAY) of the current date.*

*select dayname(curdate()) as "day of current date";*

1. *Display the name and the date of joining of the employees who belong to department number 10. The date of joining should be formatted. For eg. if it is ‘10-JUN-97’ it should be displayed as Fifteenth JUNE, 1997. The name of the employee should be in upper case.*

select upper(ename) as "employee name",

date\_format(hiredate, '%d %m, %y') as "date of joining"

from emp

where dept\_no = 10;

1. *Consider the Ord table. Find the difference between the Order Date and Ship Date in months as well as days. Label the columns appropriately.*

select orderdate, shipdate,

timestampdiff(month, orderdate, shipdate) as "months difference",

datediff(shipdate, orderdate) as "days difference"

from ord;

1. *List employee details who have joined in December.*

*select \* from emp where month(hiredate) = 12;*

1. *Display day on which KING joined.*

select dayname(hiredate) as "day joined"

from emp

where ename = 'king';

1. *Display month on which MARTIN joined.*

select monthname(hiredate) as "month joined"

from emp

where ename = 'martin';

1. *Find number of days elapsed between today’s date and hiredate of ‘ADAMS’.*

select datediff(curdate(), hiredate) as "days elapsed"

from emp

where ename = 'adams';

1. *Print the date, 15 days alter today’s date.*

*select date\_add(curdate(), interval 15 day) as "date after 15 days";*

1. *List all employee hired in the month of December.*

*select \* from emp where month(hiredate) = 12;*

1. *List all employee hired after 1980.*

*select \* from emp where year(hiredate) > 1980;*

1. *Display names and jobs of employee in the format SMITH-CLERK.*

select concat(ename, '-', job) as "employee-job"

from emp;

1. *Show the length of names in EMP table. Eliminate duplicate length. Do not show the names.*

select distinct char\_length(ename) as "name length"

from emp;

1. *List the names and hiredate of EMP in dept 20, display hiredate formatted as 12/03/1984.*

select ename as "employee name",

date\_format(hiredate, '%m/%d/%y') as "formatted hire date"

from emp

where dept\_no = 20;

1. *Find the day of week on which SMITH joined.*

select dayname(hiredate) as "day of the week joined"

from emp

where ename = 'smith';

1. *Retrieve the ANALYST record with hiredate formatted as ‘The 3rd of Oct. 1984’.*

select ename as "employee name",

date\_format(hiredate, 'the %d of %b. %y') as "formatted hire date"

from emp

where job = 'analyst';

1. *Calculate the total compensation expensive for each dept in 1 year. Assume that employees, who don't earn commission, receive non-monetary benefits than are worth Rs.1000 a month.*

select dept\_no as "department",

sum(ifnull(old\_salary, 0) \* 12 + ifnull(comm, 1000 \* 12)) as "total annual compensation"

from emp

group by dept\_no;

1. *Display the Names of the Managers as follows-*
2. *If the employee code is 7788 the Manager is CLARK*
3. *If the employee code is 7698 the Manager is BLAKE*
4. *If the employee code is 7566 the Manager is JONES*
5. *For all other Employees the Manager is KING*

select ename as "employee name",

case

when empnno = 7788 then 'clark'

when empnno = 7698 then 'blake'

when empnno = 7566 then 'jones'

else 'king'

end as "manager"

from emp;