Q1. Write a query to display the names (first\_name, last\_name) using alias name “First Name", "Last Name"

Ans:- SELECT FIRST\_NAME AS 'First Name' , LAST\_NAME AS 'Last Name' FROM `employees`

Q2. Write a query to get unique department ID from employee table.

Ans:- SELECT DEPARTMENT\_ID FROM `employees`

Q3.  Write a query to get all employee details from the employee table order by first name, descending

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME FROM `employees` ORDER BY FIRST\_NAME DESC

Q4. Write a query to get the names (first\_name, last\_name), salary, PF of all the employees (PF is calculated as 15% of salary).

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME, SALARY, SALARY\*.15 PF FROM `employees`

Q5. Write a query to get the employee ID, names (first\_name, last\_name), salary in ascending order of salary

Ans: -[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME, SALARY FROM `employees` ORDER BY

 SALARY

Q6. Write a query to get the total salaries payable to employees

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [SUM](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_sum)(SALARY) FROM employees;

Q7. Write a query to get the maximum and minimum salary from employees table.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [MAX](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_max)(SALARY), [MIN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_min)(SALARY) FROM `employees`;

Q8. Write a query to get the average salary and number of employees in the employees table.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_count)(\*), [AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_avg)(SALARY) FROM `employees`;

Q9. Write a query to get the number of employees working with the company

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_count)(\*) FROM `employees`;

Q10. Write a query to get the number of jobs available in the employees table.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_count)(DISTINCT JOB\_ID) FROM `employees`;

Q11. Write a query get all first name from employees table in upper case.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) UPPER(FIRST\_NAME) FROM `employees`;

Q12. Write a query to get the first 3 characters of first name from employees table

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) SUBSTRING(FIRST\_NAME,1,3) FROM employees;

Q13. Write a query to calculate 171\*214+625.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) 171\*214+625 result;

Q14. Write a query to get the names (for example Ellen Abel, Sundar Ande etc.) of all the employees from employees table.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) CONCAT(FIRST\_NAME,'',LAST\_NAME) 'Employee\_Name' FROM employees;

Q15. Write a query to get first name from employees table after removing white spaces from both side.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) TRIM(FIRST\_NAME) FROM `employees`;

Q16. Write a query to get the length of the employee names (first\_name, last\_name) from employees table.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME, LENGTH(FIRST\_NAME)+LENGTH(LAST\_NAME) FROM `employees` WHERE 1;

**Q17.** Write a query to check if the first\_name fields of the employees table contains numbers.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `employees` WHERE FIRST\_NAME [REGEXP](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/regexp.html#operator_regexp) '[0-9]';

Q18. Write a query to select first 10 records from a table.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `employees` LIMIT 10;

Q19. Write a query to get monthly salary (round 2 decimal places) of each and every employee

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) round(SALARY/12,2) 'Monthly\_salary' FROM `employees`;

PART 2

Q20. Write a query to display the name (first\_name, last\_name) and salary for all employees whose salary is not in the range $10,000 through $15,000.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME, SALARY FROM `employees` WHERE SALARY [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) BETWEEN 10000 [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_and) 15000;

Q21. Write a query to display the name (first\_name, last\_name) and department ID of all employees in departments 30 or 100 in ascending order.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) CONCAT(FIRST\_NAME,' ',LAST\_NAME) 'Name' , DEPARTMENT\_ID FROM `employees` WHERE DEPARTMENT\_ID=30 [OR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_or) DEPARTMENT\_ID=100 ORDER BY DEPARTMENT\_ID;

Q22.  Write a query to display the name (first\_name, last\_name) and salary for all employees whose salary is not in the range $10,000 through $15,000 and are in department 30 or 100.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) CONCAT(FIRST\_NAME,' ',LAST\_NAME) AS name, SALARY, DEPARTMENT\_ID FROM `employees` WHERE DEPARTMENT\_ID=30 [OR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_or) DEPARTMENT\_ID=100 [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_and) SALARY [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) BETWEEN 10000 [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_and) 15000;

Q23. Write a query to display the name (first\_name, last\_name) and hire date for all employees who were hired in 1987.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME,HIRE\_DATE FROM `employees` WHERE HIRE\_DATE [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html#operator_like) '1987%';

Q24. Write a query to display the first\_name of all employees who have both "b" and "c" in their first name.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME FROM `employees` WHERE FIRST\_NAME [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html#operator_like)'%b%' [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_and) FIRST\_NAME [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html#operator_like)'%c%';

Q25. Write a query to display the last name, job, and salary for all employees whose job is that of a Programmer or a Shipping Clerk, and whose salary is not equal to $4,500, $10,000, or $15,000

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) LAST\_NAME, JOB\_ID, SALARY FROM `employees` WHERE SALARY [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html#function_in)(4500, 10000, 15000) [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_and) JOB\_ID [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html#function_in)('IT\_PROG','SH\_CLERK')

Q26. Write a query to display the last name of employees whose names have exactly 6 characters.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) LENGTH(LAST\_NAME) AS Length FROM `employees` HAVING LENGTH=6;

Q27. Write a query to display the last name of employees having 'e' as the third character.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) LAST\_NAME FROM `employees` WHERE LAST\_NAME [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html#operator_like)('\_\_e%');

Q28. Write a query to display the jobs/designations available in

the employees table

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DISTINCT JOB\_ID FROM `employees`

Q29. Write a query to display the name (first\_name, last\_name), salary and PF (15% of salary) of all employees

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME, SALARY, SALARY\*.15PF FROM `employees`;

Q30. Write a query to select all record from employees where last name in 'BLAKE', 'SCOTT', 'KING' and 'FORD'.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `employees` WHERE LAST\_NAME [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html#function_in)('BLAKE', 'SCOTT', 'KING', 'FORD');

PART- 3

Q31. Write a query to list the number of jobs available in the employees table.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_count)(DISTINCT JOB\_ID) FROM `employees`;

Q32. Write a query to get the total salaries payable to employees.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [SUM](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_sum)(SALARY) FROM `employees`;

Q33. Write a query to get the minimum salary from employees table

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [MIN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_min)(SALARY) FROM `employees`;

Q34.  Write a query to get the maximum salary of an employee working as a Programmer.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [MAX](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_max)(SALARY) FROM `employees` WHERE JOB\_ID = 'IT\_PROG';

Q35. Write a query to get the average salary and number of employees working the department 90.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_avg)(SALARY) AS average, [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_count)(\*) FROM `employees` WHERE DEPARTMENT\_ID=90

Q36. Write a query to get the highest, lowest, sum, and average salary of all employees.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [MAX](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_max)(SALARY) AS highest, [MIN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_min)(SALARY) AS lowest, round([SUM](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_sum)(SALARY),0) AS total, round([AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_avg)(SALARY),0) AS average FROM `employees`;

Q37. Write a query to get the number of employees with the same job.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) JOB\_ID, [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_count)(\*) FROM `employees` GROUP BY JOB\_ID;

Q38. Write a query to get the difference between the highest and lowest salaries.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [MAX](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_max)(SALARY)-[MIN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_min)(SALARY) AS difference FROM `employees`;

Q39. Write a query to find the manager ID and the salary of the lowest-paid employee for that manager.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) MANAGER\_ID, [MIN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_min)(SALARY) FROM `employees` GROUP BY MANAGER\_ID ORDER BY [MIN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_min)(SALARY);

Q40. Write a query to get the department ID and the total salary payable in each department.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DEPARTMENT\_ID, [SUM](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_sum)(SALARY) FROM `employees` GROUP BY DEPARTMENT\_ID;

Q41. Write a query to get the average salary for each job ID excluding programmer.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_avg)(SALARY), JOB\_ID FROM `employees` WHERE JOB\_ID != 'IT\_PROG' GROUP BY JOB\_ID

Q42. Write a query to get the total salary, maximum, minimum, average salary of employees (job ID wise), for department ID 90 only.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [SUM](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_sum)(SALARY), [MIN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_min)(SALARY), [MAX](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_max)(SALARY), [AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_avg)(SALARY), JOB\_ID FROM `employees` WHERE DEPARTMENT\_ID = 90 GROUP BY JOB\_ID;

Q43. Write a query to get the job ID and maximum salary of the employees where maximum salary is greater than or equal to $4000

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) JOB\_ID, [MAX](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_max)(SALARY) FROM `employees` GROUP BY JOB\_ID HAVING [MAX](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_max)(SALARY)>=4000;

Q44. Write a query to get the average salary for all departments employing more than 10 employees.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_avg)(SALARY), DEPARTMENT\_ID, [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_count)(\*) FROM `employees` GROUP BY DEPARTMENT\_ID HAVING [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_count)(\*)>10

PART-4

Q45. Write a query to find the name (first\_name, last\_name) and the salary of the employees who have a higher salary than the employee whose last\_name='Bull'.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME, SALARY FROM `employees` WHERE SALARY> ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) SALARY FROM employees WHERE LAST\_NAME = 'bull')

Q46. Write a query to find the name (first\_name, last\_name) of all employees who works in the IT department.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME FROM `employees` WHERE DEPARTMENT\_ID [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html#function_in)([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DEPARTMENT\_ID FROM departments WHERE DEPARTMENT\_NAME ='IT');

Q47.  Write a query to find the name (first\_name, last\_name) of the employees who have a manager and worked in a USA based department.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) E.\*, ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) CONCAT(M.FIRST\_NAME, ' ', M.LAST\_NAME) FROM employees AS M WHERE M.EMPLOYEE\_ID = E.MANAGER\_ID) AS MANAGERNAME FROM employees AS E INNER JOIN departments AS D ON E.DEPARTMENT\_ID = D.DEPARTMENT\_ID INNER JOIN locations AS L ON D.LOCATION\_ID = L.LOCATION\_ID INNER JOIN countries AS C ON L.COUNTRY\_ID = C.COUNTRY\_ID WHERE C.COUNTRY\_NAME = 'United States of America' [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_and) E.MANAGER\_ID <> 0;

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME FROM `employees` WHERE MANAGER\_ID [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html#function_in)( [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) EMPLOYEE\_ID FROM employees WHERE DEPARTMENT\_ID [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html#function_in)([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DEPARTMENT\_ID FROM departments WHERE LOCATION\_ID [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html#function_in) ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) LOCATION\_ID FROM locations WHERE COUNTRY\_ID = 'US')));

Q48. Write a query to find the name (first\_name, last\_name) of the employees who are managers.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME FROM `employees` WHERE EMPLOYEE\_ID [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html#function_in)([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) EMPLOYEE\_ID FROM employees);

Q48. Write a query to find the name (first\_name, last\_name), and salary of the employees whose salary is greater than the average salary.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME FROM `employees` WHERE SALARY >([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_avg)(SALARY) FROM employees);

Q49. Write a query to find the name (first\_name, last\_name), and salary of the employees whose salary is equal to the minimum salary for their job grade.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME FROM `employees` WHERE employees.SALARY =([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) MIN\_SALARY FROM jobs WHERE employees.JOB\_ID = jobs.JOB\_ID)

Q50. Write a query to find the name (first\_name, last\_name), and salary of the employees who earns more than the average salary and works in any of the IT departments

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME,SALARY FROM `employees` WHERE DEPARTMENT\_ID [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html#function_in) ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DEPARTMENT\_ID FROM departments WHERE DEPARTMENT\_NAME [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html#operator_like) 'IT%') [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_and) SALARY >([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_avg)(SALARY) FROM employees);

Q51.  Write a query to find the name (first\_name, last\_name), and salary of the employees who earns more than the earning of Mr. Bell.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME, SALARY FROM `employees` WHERE SALARY>([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) SALARY FROM employees WHERE LAST\_NAME ='Bell');

Q52.  Write a query to find the name (first\_name, last\_name), and salary of the employees who earn the same salary as the minimum salary for all departments.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME, SALARY FROM `employees` WHERE SALARY = ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [MIN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_min)(SALARY) FROM employees);

Q53. Write a query to find the name (first\_name, last\_name), and salary of the employees whose salary is greater than the average salary of all departments.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME, SALARY FROM `employees` WHERE SALARY > ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_avg)(SALARY) FROM employees);

Q54. Write a query to find the name (first\_name, last\_name) and salary of the employees who earn a salary that is higher than the salary of all the Shipping Clerk (JOB\_ID = 'SH\_CLERK'). Sort the results of the salary of the lowest to highest.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME, SALARY, JOB\_ID FROM `employees` WHERE SALARY > ALL([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) SALARY FROM employees WHERE JOB\_ID='SH\_CLERK') ORDER BY SALARY;

Q55.  Write a query to find the name (first\_name, last\_name) of the employees who are not supervisors.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME,EMPLOYEE\_ID FROM `employees` WHERE EMPLOYEE\_ID [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html#function_in) ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) MANAGER\_ID FROM employees);

Q56. Write a query to display the employee ID, first name, last name, and department names of all employees.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME, EMPLOYEE\_ID,([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DEPARTMENT\_NAME FROM departments WHERE employees.DEPARTMENT\_ID=departments.DEPARTMENT\_ID)AS department FROM employees;

Q57.  Write a query to display the employee ID, first name, last name, salary of all employees whose salary is above average for their departments.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME, LAST\_NAME, EMPLOYEE\_ID FROM `employees` AS a WHERE SALARY > ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_avg)(SALARY) FROM employees WHERE DEPARTMENT\_ID= a.DEPARTMENT\_ID );

Q58. Write a query to fetch even numbered records from employees table.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) EMPLOYEE\_ID FROM `employees` WHERE EMPLOYEE\_ID%2=0

Q59. Write a query to find the 5th maximum salary in the employees table.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) SALARY FROM `employees` ORDER BY SALARY DESC LIMIT 1 OFFSET 4;

Q60. Write a query to find the 4th minimum salary in the employees table.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DISTINCT SALARY FROM `employees` ORDER BY SALARY LIMIT 1 OFFSET 3;

Q61.  Write a query to select last 10 records from a table.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `employees` ORDER BY EMPLOYEE\_ID DESC LIMIT 10;

Q62. Write a query to list the department ID and name of all the departments where no employee is working.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `departments` WHERE DEPARTMENT\_ID [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_not) [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html#function_in) ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DEPARTMENT\_ID FROM employees);

Q63. Write a query to get 3 maximum salaries.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DISTINCT SALARY FROM employees ORDER BY SALARY DESC LIMIT 3;

Q64. Write a query to get 3 maximum salaries.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DISTINCT SALARY FROM employees ORDER BY SALARY LIMIT 3;

Q65. Write a query to get nth max salaries of employees.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DISTINCT SALARY FROM employees ORDER BY SALARY DESC LIMIT 1 OFFSET 4;

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Q66. Write a query to find the addresses (location\_id, street\_address, city, state\_province, country\_name) of all the departments.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) LOCATION\_ID, STREET\_ADDRESS, CITY, STATE\_PROVINCE,c.COUNTRY\_NAME FROM `locations` INNER JOIN countries AS c;

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM locations AS l , countries AS c WHERE l.COUNTRY\_ID = c.COUNTRY\_ID;

Q67. Write a query to find the name (first\_name, last name), department ID and name of all the employees.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) e.FIRST\_NAME, e.LAST\_NAME, e.DEPARTMENT\_ID, d.DEPARTMENT\_NAME FROM `employees` AS e, departments AS d WHERE e.DEPARTMENT\_ID = d.DEPARTMENT\_ID;

Q68. Write a query to find the name (first\_name, last\_name), job, department ID and name of the employees who works in London.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) e.FIRST\_NAME, e.LAST\_NAME, e.JOB\_ID, e.DEPARTMENT\_ID, d.DEPARTMENT\_NAME FROM `employees` AS e INNER JOIN departments AS d ON d.DEPARTMENT\_ID = e.DEPARTMENT\_ID INNER JOIN locations AS l ON d.LOCATION\_ID = l.LOCATION\_ID WHERE l.CITY = 'London';

Q69. Write a query to find the employee id, name (last\_name) along with their manager\_id and name (last\_name).

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) e.EMPLOYEE\_ID, e.LAST\_NAME, m.MANAGER\_ID, m.LAST\_NAME FROM `employees` AS e INNER JOIN employees AS m ON e.MANAGER\_ID = m.EMPLOYEE\_ID;

Q70.  Write a query to find the name (first\_name, last\_name) and hire date of the employees who was hired after 'Jones'.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) e.FIRST\_NAME, e.LAST\_NAME, e.HIRE\_DATE FROM `employees` AS e JOIN employees AS b ON(b.LAST\_NAME = 'Jones') WHERE b.HIRE\_DATE < e.HIRE\_DATE

Q71. Write a query to get the department name and number of employees in the department.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) d.DEPARTMENT\_NAME, [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_count)(\*) FROM `departments` AS d INNER JOIN employees AS e ON d.DEPARTMENT\_ID = e.DEPARTMENT\_ID GROUP BY d.DEPARTMENT\_ID,d.DEPARTMENT\_NAME;

Q72.  Write a query to find the employee ID, job title, number of days between ending date and starting date for all jobs in department 90.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) j.EMPLOYEE\_ID, p.JOB\_TITLE, END\_DATE-START\_DATE AS days FROM `job\_history` AS j INNER JOIN jobs AS p ON j.JOB\_ID = p.JOB\_ID WHERE j.DEPARTMENT\_ID= 90;

Q73.  Write a query to display the department ID and name and first name of manager.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) d.DEPARTMENT\_ID, d.DEPARTMENT\_NAME, d.MANAGER\_ID, e.FIRST\_NAME FROM `employees` AS e INNER JOIN departments AS d ON d.MANAGER\_ID = e.EMPLOYEE\_ID;

Q74. Write a query to display the department name, manager name, and city.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) d.DEPARTMENT\_NAME, l.CITY,e.FIRST\_NAME FROM `employees` AS e INNER JOIN departments AS d ON d.MANAGER\_ID = e.EMPLOYEE\_ID INNER JOIN locations AS l ON d.LOCATION\_ID = l.LOCATION\_ID GROUP BY DEPARTMENT\_NAME;

Q75.  Write a query to display the job title and average salary of employees.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) j.JOB\_TITLE, [AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_avg)(SALARY) FROM `employees` AS e INNER JOIN jobs j ON e.JOB\_ID = j.JOB\_ID GROUP BY j.JOB\_TITLE;

Q76. Write a query to display job title, employee name, and the difference between salary of the employee and minimum salary for the job.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) e.FIRST\_NAME, j.JOB\_TITLE,SALARY-MIN\_SALARY FROM `employees` AS e INNER JOIN jobs as j ON e.JOB\_ID = j.JOB\_ID GROUP BY FIRST\_NAME;

Q77. Write a query to display the job history that were done by any employee who is currently drawing more than 10000 of salary.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) j.EMPLOYEE\_ID, j.START\_DATE,j.JOB\_ID, j.END\_DATE, j.DEPARTMENT\_ID FROM `employees` AS e INNER JOIN job\_history as j ON e.EMPLOYEE\_ID = j.EMPLOYEE\_ID WHERE SALARY> 10000;

Q78.  Write a query to display department name, name (first\_name, last\_name), hire date, salary of the manager for all managers whose experience is more than 15 years.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) e.FIRST\_NAME, e.LAST\_NAME, e.HIRE\_DATE, e.SALARY,(DATEDIFF(now(), HIRE\_DATE))/365 experience FROM `employees` AS e INNER JOIN departments AS d ON e.EMPLOYEE\_ID = d.MANAGER\_ID WHERE(DATEDIFF(now(), HIRE\_DATE))/365 > 15;

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Q79. Write a query to display the first day of the month (in datetime format) three months before the current month.

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

Q80. Write a query to display the last day of the month (in datetime format) three months before the current month.

Ans:-

Q81. 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/8.0/en/select.html) DISTINCT(STR\_TO\_DATE(CONCAT(YEARWEEK(HIRE\_DATE),'1'),'%x%v%w')) FROM employees;

Q82. 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/8.0/en/select.html) MAKEDATE(EXTRACT([YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/date-and-time-types.html) FROM CURDATE()),1);

Q83. 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/8.0/en/select.html) STR\_TO\_DATE(CONCAT(12,31, EXTRACT([YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/date-and-time-types.html) FROM CURDATE())), '%m%d%y');

Q84. Write a query to calculate the age in year

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/date-and-time-types.html)([CURRENT\_TIMESTAMP](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/date-and-time-functions.html#function_current_timestamp)) - [YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/date-and-time-types.html)("1997-02-26") - ([RIGHT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-functions.html#function_right)([CURRENT\_TIMESTAMP](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/date-and-time-functions.html#function_current_timestamp),5) < [RIGHT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-functions.html#function_right)("1997-02-26",5)) as age;

Q85. Write a query to get the current date in the following format.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DATE\_FORMAT(CURDATE(),'%M %e, %Y')as currentdate;

Q86. Write a query to get the current date in Thursday September 2014 format.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DATE\_FORMAT(CURDATE(),'%W %M, %Y')as currentdate;

Q87. 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/8.0/en/select.html) EXTRACT([YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/date-and-time-types.html) FROM CURDATE());

Q88. Write a query to get the DATE value from a given day (number in N).

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FROM\_DAYS(730677);

Q89. 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/8.0/en/select.html) FIRST\_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/8.0/en/logical-operators.html#operator_and) '1987-07-30';

Q90. Write a query to display the current date in the following format.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DATE\_FORMAT(CURDATE(), '%W %D %M %Y %T');

Q91. 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/8.0/en/select.html) DATE\_FORMAT(CURDATE(), '%l:%i %p %b %Y');

Q92. 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/8.0/en/select.html) FIRST\_NAME, LAST\_NAME FROM employees WHERE MONTH(HIRE\_DATE) = 6;

Q93. 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/8.0/en/select.html) 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/8.0/en/group-by-functions.html#function_count)(EMPLOYEE\_ID) > 10;

Q94. 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/8.0/en/select.html) FIRST\_NAME, HIRE\_DATE FROM employees WHERE [YEAR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/date-and-time-types.html)(HIRE\_DATE) =1987;

Q95. 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/8.0/en/select.html) SALARY, e.FIRST\_NAME, d.DEPARTMENT\_NAME FROM employees AS e INNER JOIN departments AS d ON e.MANAGER\_ID= d.MANAGER\_ID WHERE (SYSDATE()- HIRE\_DATE)/365 >5;

Q96. 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/8.0/en/select.html) FIRST\_NAME, LAST\_NAME, EMPLOYEE\_ID, LAST\_DAY(HIRE\_DATE) as firstsalary FROM `employees`;

Q97. 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/8.0/en/select.html) FIRST\_NAME, HIRE\_DATE, DATEDIFF(SYSDATE(), HIRE\_DATE)/365 as experience FROM `employees`;

Q98. 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/8.0/en/select.html) DEPARTMENT\_ID, DATE\_FORMAT(HIRE\_DATE, '%Y'), [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_count)(EMPLOYEE\_ID) FROM `employees` GROUP BY DEPARTMENT\_ID;

PART-7

Q100. Write a query to get the job\_id and related employee's id.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) JOB\_ID, [GROUP\_CONCAT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_group_concat)(EMPLOYEE\_ID, '') AS employee\_id FROM employees GROUP BY JOB\_ID;

Q101. Write a query to update the portion of the phone\_number in the employees table, within the phone number the substring '124' will be replaced by '999'.

Ans:- UPDATE `employees` SET PHONE\_NUMBER = REPLACE (PHONE\_NUMBER, '124', '999') WHERE PHONE\_NUMBER LIKE '%124%';

Q102. Write a query to get the details of the employees where the length of the first name greater than or equal to 8.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME FROM `employees` WHERE LENGTH(FIRST\_NAME)>=8;

Q103. Write a query to display leading zeros before maximum and minimum salary.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) JOB\_ID, LPAD(MAX\_SALARY,7, '0') AS [max](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_max),LPAD(MIN\_SALARY,7, '0') AS [min](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_min) FROM jobs;

Q104. Write a query to append '@example.com' to email field.

Ans:- [UPDATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/update.html) employees [SET](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/set.html) EMAIL = CONCAT(EMAIL, '@gmail.com');

Q105. Write a query to get the employee id, first name and hire month.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) EMPLOYEE\_ID, FIRST\_NAME, HIRE\_DATE, LPAD(MONTH(HIRE\_DATE),2, '0') AS month FROM `employees`;

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) EMPLOYEE\_ID, FIRST\_NAME, HIRE\_DATE, DATE\_FORMAT(HIRE\_DATE,'%M') FROM `employees`;

Q106. Write a query to get the employee id, email id (discard the last three characters).

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) EMPLOYEE\_ID, REVERSE(SUBSTR(REVERSE(EMAIL),4)) FROM `employees`;

Q107. Write a query to find all employees where first names are in upper case.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) FIRST\_NAME FROM `employees` WHERE FIRST\_NAME = [BINARY](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/cast-functions.html#operator_binary) UPPER(FIRST\_NAME);

Q108. Write a query to extract the last 4 character of phone numbers.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [RIGHT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-functions.html#function_right)(PHONE\_NUMBER, 4) AS ph FROM employees;

Q109. Write a query to get the last word of the street address.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) STREET\_ADDRESS, SUBSTRING\_INDEX(STREET\_ADDRESS, ' ', -1) AS lastword FROM `locations`;

Q110. Write a query to get the locations that have minimum street length.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) STREET\_ADDRESS FROM `locations` WHERE LENGTH(STREET\_ADDRESS)= ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [MIN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/group-by-functions.html#function_min)(LENGTH( STREET\_ADDRESS)) FROM `locations`)

Q111. Write a query to display the first word from those job titles which contains more than one words

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) JOB\_TITLE, SUBSTRING\_INDEX(JOB\_TITLE, ' ', 1) AS firstname FROM `jobs` WHERE INSTR(JOB\_TITLE, ' ') <>0;

Q112. Write a query to display the length of first name for employees where last name contain character 'c' after 2nd position.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) first\_name, last\_name FROM employees WHERE INSTR(last\_name,'C') > 2;

Q113. Write a query that displays the first name and the length of the first name for all employees whose name starts with the letters 'A', 'J' or 'M'. Give each column an appropriate label. Sort the results by the employees' first names.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) first\_name "Name", LENGTH(first\_name) "Length" FROM employees WHERE first\_name [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html#operator_like) 'J%' [OR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_or) first\_name [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html#operator_like) 'M%' [OR](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_or) first\_name [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html#operator_like) 'A%' ORDER BY first\_name;

Q114. Write a query to display the first name and salary for all employees. Format the salary to be 10 characters long, left-padded with the $ symbol. Label the column SALARY.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) first\_name, LPAD(salary, 10, '$') SALARY FROM employees;

Q115. Write a query to display the first eight characters of the employees' first names and indicates the amounts of their salaries with '$' sign. Each '$' sign signifies a thousand dollars. Sort the data in descending order of salary.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [left](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-functions.html#function_left)(first\_name, 8), [REPEAT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-functions.html#function_repeat)('$', FLOOR(salary/1000)) 'SALARY($)', salary FROM employees ORDER BY salary DESC;

Q116. Write a query to display the employees with their code, first name, last name and hire date who hired either on seventh day of any month or seventh month in any year.

Ans:- [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) employee\_id,first\_name,last\_name,hire\_date FROM employees WHERE POSITION("07" [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/comparison-operators.html#function_in) DATE\_FORMAT(hire\_date, '%d %m %Y'))>0;