



EXERCISE 3: SQL BUILT IN FUNCTIONS & SUBQUERIES

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Create an EMPLOYEE Table with the following attributes

EMPID, EMPNAME, JOB, DOB, SALARY, DEPTNO, GENDER

Write queries for solving the following:

1. Calculate the square root of the salary of all employees.
2. Apply any other five numeric built in function to 'salary' attribute of employee table
3. Extract only the first 5 characters of the employee names.
4. Apply any other five string built in function to 'name' attribute of employee table
5. Determine the max and min salary and rename the column as max_salary and min_salary.
6. Display the month name of date "14-jul-15" in number.
7. Display the Dob of all employees in the format "dd-mm-yy".
8. Display the date two months after the Dob of employees.
9. Display the last date of that month in "05-Oct-15".
10. Display the rounded date in the year format, month format, day format
11. Display the date 60 days before current date.
12. Display the names and dob of all employees who were born in August.
13. List out the employee names who will celebrate their birthdays during current month.
14. List all female employees who were born in April
15. What is the difference between maximum and minimum salaries of employees in the organization?
16. Display number of employees working in each department and their department name.
17. Display total salary spent for employees.
18. Display total salary spent for each job category.
19. Display lowest paid employee details under each manager.
20. Find how many job titles are available in employee table.

SUBQUERIES:

Consider the database for an organization and create the following tables.

- **DEPARTMENT** (dept_no, dept_name, location).
- **EMPLOYEE** (emp_no, emp_name, DOB, address, doj, mobile_no, dept_no, salary).

Write queries for solving the following:

21. Display the names of the employees working for dept no. 1001.
22. Display names of employees whose salary is greater than the employee emp_no=1234
23. Display all the employees drawing more than or equal to the average salary of department number 1005.
24. Display the name of the highest paid employee.
25. Find the Name and Salary of people who draw in the range Rs. 20,000 to Rs. 40,000.
26. Update the salary by 0.25 times for all employees who work in research department.
27. Delete all the employee details from admin department.
28. Display the department name in which employee that has lowest salary.
29. Display the employee details of all employees who earn more than that of 'Reena' and in the same department as 'John'
30. Display the name of the employees whose salary is less than the average salary of department no 1001.
31. Count the number of employees of department where "John" works