

Database Management Systems Lab

Lab#2

Marks:100

Instructions

Work on this lab individually.

You are **NOT** allowed to use internet, mobile phone.

You are **NOT** allowed to borrow anything from your peer student.

You're supposed to:

1. Write queries to show all tables one by one created in the previous lab.
2. Write a query to select some specific columns from any table.
3. Suppose the employee in the table data emp got an increment in salary by 10% every month what will be the salary after 1 year, calculate the salary and name that column as "Annual Salary".
4. Write a query to replace NULL with the integer number 0.
5. Write a query to find Minimum as Min and Maximum as Max salary from employee table
6. Write a query to find count of the Elect.Eng in emp table
7. Write a query to display employees named KING and SMITH.
8. Display all records having mgr 7839.
9. Write a query to concatenate eno and pno in asg table and name that column as ID.
10. Write a query to concatenate all required columns to make the given string in a new column named "Description" in the employee table i.e.: SMITH is CLERK under the mgr number 7902 and was hired on 2002-10-01 and earns 800 per month

11. Display Unique mgr numbers in the employee table.
12. Write a query to Display the Metadata of any table from your schema.
13. Display records where duration is b/w 1,10 and ENO is unique in asg table.
14. Write a query to display all records with Clerk, Analyst, and Salesman jobs.
15. Write a query to display all records having jobs rest of Clerk, Analyst, and Salesman.
16. Write a query to display a name having an A anywhere in the name and ending with S.
17. Write a query to display a name starting with anything having an L following an unknown character and ending with N.
18. Finds ANY VALUES that START WITH "A" AND are AT LEAST 3 characters IN length from employee table.
19. Write a query to list employees hired after 1 Jan 2004. And availing commission.
20. Write a query where ename contains A anywhere in the name and hire-date b/w 2005 to 2012 , At the end order records in ascending order by name.

Instructions:

- Date format is YYYY-MM-DD.
- Use concatenation operator to concatenate two or more columns.
- Use appropriate functions if required.