Database Systems Lab

BS(SE) Morning - Fall 2022

LAB – 03

Course & Lab Instructor: Dr. Sanam Ahmed

Kindly paste the query as well as result table screenshot as a result of each task

Sample:

> **Display All the Employees from emp table**

Solution:

> **Select * from emp**

Total Marks: 40

Time allowed: 75 mins.

Task 01   (20 Marks)

1. Display the employee Number of Salesman in format '**7,3,9,6**'.
2. Display the Employee who have department 10 or 20. (Use In operator)
3. Display Students from PUCIT table which have M in their first name and U in their last name.
4. Display your Birthday as "I was born on 23 OCT, 2004".
5. Display Employees who have earned more than 150,000 from the time they have been hired.
6. List the difference between the Employee salary with commission and salary without commission for each employee.
7. Using SQL statement find out how many months have passed since the day you were born until today. Name the column 'Month's Old'
8. Your next lab is going to be on next Friday. Display the date of that day with column name as 'Our Next Lab'.
9. Display all letters of employees' name except the first 2 with the deptno within a single column named "formatted name".

10. Write a query to give the position of the first occurrence of Letter 'E' in job.Also display a column of jobs. JOBS SHOULD NOT BE REPEATED.

Task 02   (20 Marks)

1. Get firstname of the student from the column std_name(PUCIT table) like if std_name "SANAM AHMAD",output=SANAM

   (hint:if name contains three words first two words should be in the output)

2. Display the EMPNO along with its reversed number.
3. Display ename, job, sal, and hiredate of all employees in such a way that all the occurences of A's in Ename,Job is replace by the letter 'S'.
4. Write an SQL query to display ENAME in such that First Letter is Capital and Last letter is small. E.g (sMITHh,aLLEn). You can use CONCAT operator.
5. Create a query to display the empno column left-padded with zeros to a total length of 5 characters for the emp table.
6. Write a query to replace all vowels (a, e, i, o, u) in the ename column of the emp table with numbers (1, 2, 3, 4, 5).
7. Display the new name for students by combing the first two letters of their first and last name. (pucit table).
8. Search out the Students who have S as the second character in their lastname from PUCIT table.
9. List the employee who have worked more than 10 years and their name starts with K.
10. Display the names of students from PUCIT table by replacing their Vowels in their names by *.