Faculty of Computing & Information Technology

University of the Punjab

Database Systems

Lab #4 (Version 2)

Class: BS-DS F22 (Morning)

Date: March 6, 2024

IN CASE YOU HAVE NO IDEA ABOUT THE NAME OF ATTRIBUTES, RUN THE FOLLOWING COMMAND:

DESC table_name

TASKS TO DO:

Total marks: 100

Question 1: Write a SQL Statement on EMP Table, which shows the names of employees, job and salary whose job is Salesman and the employee's name has an E in it. (10)

Question 2: Write a SQL statement on EMP table, which shows ename, sal, hiredate, Annual_Sal, job of all those employees who a manager or a salesman are and having 'A' at second or third place and salary between 1000 and 2500 and not hired in 'FEB' and 'MAY', sorted by annual salary in descending order. (10)

Question 3: Display the ename, job, hiredate, sal and deptno of all employees whose manager id is not 7839 and the commission must not be null. And the hiredate is between 21-Feb-81 and 17-Dec-81. Sort the result by salary and then by commission in descending order. (15)

Question 4: Display employee names who have two 'A' in their names as "Name", position of the second occurrence of 'A' in the employee names as "Position", and salary as "Salary". (10)

Question 5: Display employee name with their first and last letter capitalized, and rest of letters lowercase for all the employees whose name start with A, M and B. Sort the results by employee name. (15)

Question 6: Create a query that will display the total salary of each department in ascending order. (10)

Question 7: Display ename as "Name", department number as "Department", and 15% incremented salary as"Incremented_Salary", and salary of those employee whose job is clerk or salesman and whose salary is not equal to $1250, $1300, or $1400 and whose name contains an "A". (15)

Question 8: Write an SQL statement, which retrieves the names of employees along with their department numbers and the names of their colleagues who work in the same department but have different names. (15)