

FACULTY OF COMPUTING & INFORMATION TECHNOLOGY

UNIVERSITY OF THE PUNJAB



Database Systems: Lab 05

BS-DS Fall-22 (Afternoon)

Date: 13-03-2024

Instructions

- Work on this quiz/lab individually.
- You are NOT allowed to use internet, mobile phone.
- You are NOT allowed to borrow anything from your peer student.
- You are NOT allowed to use **Chat GPT**, **Bard** etc.
- In case of any ambiguity, benefit will be given to the students.
- First read the query statement carefully before solving it.
- In case of Cheating or sharing of lab solution may leads to **ZERO** marks.
- During lab TAs should entertained any query , no need to talk to peers.

==> To open the Oracle Server:

Write in the your Browser URLs

For Lab System Users: 172.16.0.8/isqlplus

For Laptop and Lab System Users: 172.16.0.8/isqlplus

Credentials:

Username: lab

Password: lab

Connection: orasrv

Proxy Settings for Laptop to use University Internet

Lab-A

Proxy 172.16.0.4

Port 8080

University Wifi's password be9317f9b8

You have to do following tasks:

Total marks: 100

Question 1. Write a query to display the department name, employee's name and location who earns a commission.

Question 2. Calculate the remainder of a salary 'Remainder' after it is divided by 300 for all employees whose job title is MANAGER.

Question 3. Write a query that displays hire date, commission, department name and its location with their salary and grade.

Question 4. Display the highest, lowest, sum, average salary of all employees also shows the number of rows in emp table. Label the columns and round your results to the nearest whole number. Also include null values.

Question 5. Write a query that displays sum and average salary of department 10.

Question 6. Write a query that displays department number, department name and location of that department whose salary of all employees greater than average salary of all departments.

Question 7. Retrieve a list of managers and their direct reports, displaying the manager's name and the names of their direct reports.(direct reports is name of employee of respective manager)

Question 8. Identify the highest-paid employee in each department and display their names, job titles, and salaries.

Question 9. List employees who have a higher salary than their respective managers and display their names, job titles, and salaries.

Question 10. List employees who were hired before their respective managers and show their names, hire dates, and their manager's name.

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