

FACULTY OF COMPUTING & INFORMATION TECHNOLOGY

UNIVERSITY OF THE PUNJAB



Database Systems: Lab 07

BS-DS Fall-22 (Afternoon)

Date: 27-03-2024

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** , **Gemini** 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

You have to do following tasks:

Total marks: 100

Question 1. Display the name, and department number for those employees who work in the same department as the employee who hold the name as Martin.

Question 2. Write an SQL query to fetch the names of managers who earn the highest salary.

Question 3. Retrieves details(employee_id,first_name, last_name, salary, department_name, city, state_province) of employees who have a salary of \$7000 or above, along with their respective department names, city, and state province of the department's location. Specifically, it selects employees who have the highest salary within each department.

Question 4. Write a query in SQL to display the details of those departments which max salary is 7000 or above for those employees who already done one or more jobs.

Question 5. Display the name of the department, average salary and number of employees working in that department who got commission..

Question 6. Write a SQL query to display all grade 4 and 5 analyst and manager.

Question 7. List the employees of Department no 20 whose jobs are same as Department no 10.

Question 8. Find the highest paid employee of sales department.

Question 9. Provide SQL query to retrieves department IDs, department names, and the average salary of employees for departments where the average salary is at least \$100000, exactly two employees have 'Y' in their names, and all other employees may have 'R' in their names.

Question 10. Find all the employees who earn the minimum salary for each job wise in ascending order.