# FACULTY OF COMPUTING & INFORMATION TECHNOLOGY

## *UNIVERSITY OF THE PUNJAB*

# <u>Database Systems:    Lab 03</u>

BS-DS Fall-22 (Afternoon)                                                        Date: 21-02-2024

## 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:** orasrv/isqlplus

**For Laptop and Lab System Users:** 172.16.0.0/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

**For Example:**

    Query:   Find All Rows from a Table name customers.
    SQL : `SELECT * FROM` customers;

    Query:   Find All Rows from a Table named customer with city New York.
    SQL : `SELECT * FROM` customers
          `WHERE` city = 'New York';

    **See all tables in a Database: `SELECT * FROM cat`**

    **See attributes of a table:    `DESC (Table name)`**

       Table name: emp or dept or salgrade

# You have to do following tasks:          Total marks: 100

**Question 0:** Copy and run this query in sql query box for your understanding.
```
SELECT EMPNO, ENAME, AGE
FROM EMP
WHERE age >= 50
```

**Question 0:** Write a query that displays all records with all columns of a table named emp.

**Question 01:** Write a query that displays all records with all columns of a table named dept.

**Question 02:** Display the ename and department number of all employees in departments 20 and 30 in alphabetical order by ename, and length of name greater than 4.
**Table==> EMP (EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)**

**Question 03:** Write a query that displays all records with all columns of a table named salgrade.

**Question 04:** Write a query that displays the empno, dept no, name, manger no, age, hire date of employees where manager number is 7368.

**Question 05:** Write a query to display the department no, department name and department location.

**Question 06:** Calculate the annual salary of employees after salary is multiplied by 12, name it as "Annual salary".

**Question 07:** Write a SQL Query to show the names of all employees and hire date of employees where department no is not greater than 10.

**Question 08:** Display the emp no, name, manger no, salary and hire date of employee, whose name is SMITH.

**Question 09:** Give a Query to show the department location where location is London.

**Question 10:** Write query to retrieve all employee names in uppercase

---

☺☺☺ BEST OF LUCK ☺☺☺

---

**Instructor:**
*Farhan Ahmad Ch.*

**Teaching Assistant:**
*Chaudhary Abubakar Khalid*
*(BSEF20A509)*
*Syed Ali Hamza Naqvi*
*(BSEF20A546)*