

FACULTY OF COMPUTING & INFORMATION TECHNOLOGY

UNIVERSITY OF THE PUNJAB



Database Systems: Lab 09

BS-DS Fall-22 (Afternoon)

Date: 15-04-2024

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.

• Syntax for INSERT: -

INSERT INTO emp (empno, ename, salary) VALUES (255, "JONES", 50000)

• Syntax for UPDATE: -

UPDATE emp SET empno = 15, salary = 25000 WHERE id = 99

• Syntax for DELETE: -

DELETE FROM emp WHERE id = 17

Solve given query questions using these tables: -

EMPLOYEE (NO, NAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)

DEPARTMENT (DEPTNO, DNAME, LOC)

SALGRADE (GRADE, LOSAL, HISAL)

Worker(worker_ID, First_Name, Last_Name, Sal, Joining_Date, department)

Bonus(worker_ID, bonus_date, bonus_Amount)

Title(worker_ID, affected_from, worker_title)

You have to do following tasks:

Total marks: 100

Question 1. Write a query that deletes id number 30 in Bonus table.

Question 2. Write a query that inserts a record in Salgrade table. (DUMMY RECORD)

Question 3. Write a query that updates a record in Employee table which has id 22.
(DUMMY RECORD)

Question 4. Write the output of these queries **in table form**.

employess(employee_number, last_name, first_name, salary, dept_id)

```
INSERT INTO employees (employee_number, last_name, first_name, salary,
dept_id) VALUES (1003, 'Everest', 'Brad', 71000, 501);
INSERT INTO employees (employee_number, last_name, first_name, salary,
dept_id) VALUES (1004, 'Horvath', 'Jack', 42000, 502);
INSERT INTO employees (last_name, first_name, salary, dept_id) VALUES
('Anderson', 'Jane', 57500, 503);
INSERT INTO employees (employee_number, last_name, first_name, salary,
dept_id) VALUES (1005, 'Johnson', 'Sally', 58000, 505);
```

Question 5. Write a query that updates all attributes of above table whose dept_id is 503.

Question 6. Write a query that updates last_name into Jones which employee_number is 1004.

Question 7. Write a query that updates salary to 1 lac which employee_number is 1002.

Question 8. Write a query that updates first_name into your_name whose last_name is Anderson.

Question 9. Make changes of questions 5 to 8 from table which creates in question 4 by making a new table.

Question 10. Write a query that deletes a record from employees table whose dept_id is 500.

Question 11. Write a query that deletes a record from employees table whose employee_number is 1004.

Question 12. Make changes of questions 10 and 11 from table which creates in question 9 by making a new table.

Question 13. Write a query that inserts a record in Dept table.

Question 14. Write a query that deletes a record in Title table whose id number is 11.

Question 15. Write a query that updates a record in Worker table whose id number is 120.

☺☺☺ BEST OF LUCK ☺☺☺

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