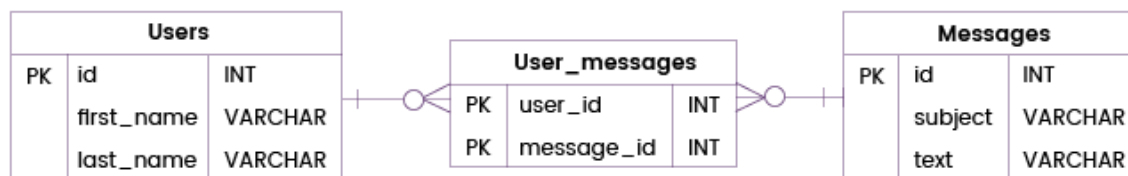# LAB TASK (PRACTICAL TEST)
DATED: 31-03-2021 TIME: 12:00NOON TO 01:00PM

1: Create a table named Emp that will have 3 columns as:
   a. Emp_ID with NUMBER data type. (Also PK)

   b. Emp_Name with varchar data type and length 30.

   c. emp_address with varchar data type and length 20.

   d. Add check on EMP_ID so that Emp_Id is not null and unique

2. Write a query that returns all the employees, their related information and dept name and even those department where no employee is working.

3. Write a query that displays employees whose job title is the same as that of employee 7569 and whose salary is greater than that of employee 7976.

4. Write a SQL statement displays all the employees whose salary is less than any Lecturer and who are not Lecturer.

5. Create a view call employee_vu based on the employee numbers, employee names and department numbers from the emp table. Change the heading for the ename to EMPLOYEE.

6. Convert following table into 1NF, 2NF, 3NF

FULL NAMES	PHYSICAL ADDRESS	MOVIES RENTED	SALUTATION
Janet Jones	First Street Plot No 4	Pirates of the Caribbean, Clash of the Titans	Ms.
Robert Phil	3rd Street 34	Forgetting Sarah Marshal, Daddy's Little Girls	Mr.
Robert Phil	5th Avenue	Clash of the Titans	Mr.

7. Convert following table into Demoralization

Normalized database

```
ord_no      purch_amt   ord_date    customer_id  salesman_id
----------  ----------  ----------  -----------  -----------
70001       150.5       2012-10-05  3005         5002
70009       270.65      2012-09-10  3001         5005
70002       65.26       2012-10-05  3002         5001
70004       110.5       2012-08-17  3009         5003
70007       948.5       2012-09-10  3005         5002
70005       2400.6      2012-07-27  3007         5001
```

Figure 1

Ref Figure 1 and Perform following task

8. Make an Order Table based on the above given Structure.
9. Select the orders with all information in such a manner that, the older order date will come first and the highest purchase amount of same day will come first.
10. Select the order date in such a manner that, the latest order date will come first along with the total purchase amount and total commission (15% for all salesmen) for that date.
11. Identify all the orders issued against the salesman who works for customer whose id is 3007.
12. Identify all the orders which values are greater than the average order value for 10th October 2012.

    Consider the following table for queries. EMP (EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)
13. Illustrate detailed structure of the data retrieval command along with its various supporting clauses with suitable examples.

14. Identify the total salary being paid to each job title within each department.

15. Create table students with columns std_id (primary key), std name (not null)
    - Insert 5 different records in student table and show on console whether all records are successfully inserted or not.
    - Select inserted records
    - Update 2 selected records and display their success on console.
    - Select updated records
    - Delete one of the updated record and display its success on console.
    - Select all the records and print them on console.