

# Final Lab Paper Summer 2020

Course Title: Database Systems

Instructor: Rimsha Khan

Total Marks: 40 (Weightage 80)

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**NOTE:**

- Understanding the paper is part of solving the paper so no questions will be entertained.
  - Send pdf of screenshots **not zip folder!**
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**Q1: Write SQL DML queries to create the following table in SQL Studio. First Customer\_Id should be your ID and first customer name should be your name. Customer\_Table:**

Customer_Id	Customer_Name	Address	Oder_No
11223344	Rimsha Khan	Pakistan	23
2	ABC	Pakistan	25
3	DEF	Pakistan	24
4	GEH	Null	54

After creating the table, display it using select query and take (ONLY 1) screenshot of the output.

**Answer Q1:**

```
2 CREATE TABLE Customer_Table
3 (
4 Customer_Id int,
5 Customer_Name varchar(255),
6 Address varchar(255),
7 Oder_No int
8 );
9
10 /* Create few records in this table */
11 INSERT INTO Customer_Table (
12     Customer_Id,
13     Customer_Name,
14     Address,
15     Oder_No
16 )
17 VALUES
18 (
19     12938,
20     'Abdul Razzaq',
21     'Pakistan',
22     23
23 ),
24 (
25     2,
26     'ABC',
27     'Pakistan',
28     25
29 ),
30 (
31     3,
32     'DEF',
33     'Pakistan',
34     24
35 ),
36 (
37     4,
38     'GEH',
39     NULL,
40     54
41 );
```

	Customer_Id	Customer_Name	Address	Oder_No
1	12938	Abdul Razzaq	Pakistan	23
2	2	ABC	Pakistan	25
3	3	DEF	Pakistan	24
4	4	GEH	NULL	54

**Q2: Update your address in the above table using SQL Query and take (ONLY 1) screenshot of the output.**

**Answer Q2:**

```
UPDATE Customer_Table
SET Address = 'Gulberg No 3'
WHERE Customer_Id = 12938;

/* Display all the records from the table */
SELECT * FROM Customer_Table;
```

	Customer_Id	Customer Name	Address	Oder No
1	12938	Abdul Razzaq	Gulberg No 3	23
2	2	ABC	Pakistan	25
3	3	DEF	Pakistan	24
4	4	GEH	NULL	54

**Q3: Create Order\_Detail Table, perform inner join on Customer\_Table and Order\_Detail. This question should have (ONLY 2) Screenshots. Screenshot of Customer\_Detail table and screenshot of output of INNER JOIN QUERY.**

**Order\_Detail**

Oder_No	Product_ID	Quantity
23	0032	3
25	0012	1
24	0002	1
54	1001	1
54	1023	1

### Answer Q3:

```
88
89 SELECT * FROM Order_Detail;
90
91 SELECT Order_Detail.*, Customer_Table.Customer_Id, Customer_Name, Address
92 FROM Order_Detail
93 INNER JOIN Customer_Table ON Order_Detail.Oder_No = Customer_Table.Oder_No;
```

[Run it \(F8\)](#) [Save it](#) [View schema](#)

Execution time: 0,03 sec, rows selected: 14, rows affected: 10, absolute service time: 0,22 sec, absolute service time: 0,22 sec

	Customer_Id	Customer Name	Address	Oder_No
1	12938	Abdul Razzaq	Gulberg No 3	23
2	2	ABC	Pakistan	25
3	3	DEF	Pakistan	24
4	4	GEH	NULL	54

	Oder_No	Product ID	Quantity
1	23	0032	3
2	25	0012	1
3	24	0002	1
4	54	1001	1
5	54	1023	1

	Oder_No	Product ID	Quantity	Customer_Id	Customer Name	Address
1	23	0032	3	12938	Abdul Razzaq	Gulberg No 3
2	25	0012	1	2	ABC	Pakistan
3	24	0002	1	3	DEF	Pakistan
4	54	1001	1	4	GEH	NULL
5	54	1023	1	4	GEH	NULL