

LAB PROGRAM – 6

ORDER DATABASE:

TABLES:

SALESMAN

Showing rows 0 - 4 (5 total, Query took 0.0013 seconds)

```
SELECT * FROM `salesman`
```

Options: Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

	SALESMAN_ID	NAME	CITY	COMMISSION
<input type="checkbox"/>	1000	JOHN	BANGALORE	25 %
<input type="checkbox"/>	2000	RAVI	BANGALORE	20 %
<input type="checkbox"/>	3000	KUMAR	MYSORE	15 %
<input type="checkbox"/>	4000	SMITH	DELHI	30 %
<input type="checkbox"/>	5000	HARSHA	HYDRABAD	15 %

Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

Bookmark this SQL query: Label: ☐ Let every user access this bookmark

CUSTOMERS

Showing rows 0 - 4 (5 total, Query took 0.0013 seconds)

```
SELECT * FROM `customer`
```

Options: Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

	CUSTOMER_ID	CUST_NAME	CITY	GRADE	SALESMAN_ID
<input type="checkbox"/>	10	PREETHI	BANGALORE	100	1000
<input type="checkbox"/>	11	VIVEK	MANGALORE	300	1000
<input type="checkbox"/>	12	BHASKAR	CHENNAI	400	2000
<input type="checkbox"/>	13	CHEETHAN	BANGALORE	200	2000
<input type="checkbox"/>	14	MAMATHA	BANGALORE	400	3000

Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

Bookmark this SQL query: Label: ☐ Let every user access this bookmark

ORDERS

Showing rows 0 - 4 (5 total, Query took 0.0012 seconds)

```
SELECT * FROM `orders`
```

ORD_NO	PURCHASE_AMT	ORD_DATE	CUSTOMER_ID	SALESMAN_ID
50	5000	2017-05-17	10	1000
51	450	2017-01-24	10	2000
52	1000	2017-02-24	13	2000
53	3500	2017-04-13	14	3000
54	550	2017-03-09	12	2000

Count the customers with grades above Bangalore's average.

Showing rows 0 - 1 (2 total, Query took 0.0059 seconds)

```
SELECT GRADE, COUNT(DISTINCT CUSTOMER_ID) FROM CUSTOMER GROUP BY GRADE HAVING GRADE > (SELECT AVG(GRADE) FROM CUSTOMER WHERE CITY='BANGALORE')
```

GRADE	COUNT(DISTINCT CUSTOMER_ID)
300	1
400	2

Find the name and numbers of all salesmen who had more than one customer.

The screenshot shows the phpMyAdmin interface for the 'order_db' database. The 'SALESMAN' table is selected, displaying 2 rows. The SQL query shown is: `SELECT SALESMAN_ID, NAME FROM SALESMAN A WHERE 1 < (SELECT COUNT(*) FROM CUSTOMER WHERE SALESMAN_ID=A.SALESMAN_ID)`. The table data is as follows:

SALESMAN_ID	NAME
1000	JOHN
2000	RAVI

List all salesmen and indicate those who have and don't have customers in their cities (Use UNION operation.)

The screenshot shows the phpMyAdmin interface with a UNION query executed. The query is: `SELECT SALESMAN.SALESMAN_ID, NAME, CUST_NAME, COMMISSION FROM SALESMAN, CUSTOMER WHERE SALESMAN.CITY = CUSTOMER.CITY UNION SELECT SALESMAN_ID, NAME, 'NO MATCH', COMMISSION FROM SALESMAN WHERE NOT CITY = ANY (SELECT CITY FROM CUSTOMER) ORDER BY 2 DESC`. The result shows 9 rows, including salesmen with their customers and those without.

SALESMAN_ID	NAME	CUST_NAME	COMMISSION
4000	SMITH	NO MATCH	30 %
2000	RAVI	PREETHI	20 %
2000	RAVI	CHETHAN	20 %
2000	RAVI	MAMATHA	20 %
3000	KUMAR	NO MATCH	15 %
1000	JOHN	PREETHI	25 %
1000	JOHN	CHETHAN	25 %
1000	JOHN	MAMATHA	25 %
5000	HARSHA	NO MATCH	15 %

Create a view that finds the salesman who has the customer with the highest order of a day.

Current selection does not contain a unique column. Grid edit, Edit, Copy and Delete features may result in undesired behavior.

Showing rows 0 - 4 (5 total, Query took 0.0015 seconds)

```
SELECT * FROM `elitsalesman`
```

Options: ☐ Show all | Number of rows: 25 | Filter rows: Search this table

	ORD_DATE	SALESMAN_ID	NAME
<input type="checkbox"/>	2017-05-17	1000	JOHN
<input type="checkbox"/>	2017-01-24	2000	RAVI
<input type="checkbox"/>	2017-02-24	2000	RAVI
<input type="checkbox"/>	2017-04-13	3000	KUMAR
<input type="checkbox"/>	2017-03-09	2000	RAVI

Query results operations: ☐ Print | ☐ Copy to clipboard | ☐ Export | ☐ Display chart | ☐ Create view

Bookmark this SQL query

Demonstrate the DELETE operation by removing salesman with id 1000. All his orders must also be deleted.

Run SQL query/queries on database order_db:

```
1 DELETE FROM SALESMAN
2 WHERE SALESMAN_ID=1000;
3
```

Clear | Format | Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

Delimiter: ; ☐ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks

Simulate query Go