



Lab 7

SQL (Structured Query Language)

Objectives:

- Ability to write SQL queries.
- Using JOIN clause to combine rows from two or more tables.
- Using SQL aggregate functions to return a single value, calculated from values in a column.

Database:

The following relations show basic entities of Order processing System. (It's the same schema used in the previous lab)

customer (customer_id, customer_name, city)

order (order_id, order_date, customer_id)

order_item(order_id , item_id, quantity)

item (item_id, unit_price)

shipment (order_id, warehouse_id, ship_date)

warehouse (warehouse_id, warehouse_city)

SQL Queries:-

1. Write an **SQL** query to retrieve warehouse id, city, and count of orders shipped from this warehouse. The query should show all warehouses even if there are no orders that have been shipped from this warehouse.
2. Write a **SQL** query to retrieve customer name, count of orders for each customer even if the customer didn't make any orders.
3. Write a **SQL** query to retrieve all items who haven't been ordered.

Deliverable :

You should present the following :

- DML SQL queries you wrote to retrieve data.
- output/error if any in file called **Answers.txt**