# Homework #2

| | |
|---|---|
| **Student Name** | |
| **ID Number** | |
| **Total (100)** | |

**Collect your answers and the output for each question to one file.**

- Submit a printed copy to you instructor before the deadline.
- Submit a softcopy online to Blackboard.

**Write the SQL statements for all the following questions.**

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1. Create the following tables:

Customer

| Field name | Data type | size | Note |
|---|---|---|---|
| custNo | Number | 3 | PK |
| cname | Varchar2 | 25 | Unique |
| city | Varchar2 | 12 | |

Item

| Field name | Data type | size | Note |
|---|---|---|---|
| ItemNo | Number | 3 | PK |
| UnitPrice | Number | 6,2 | |

Orders

| Field name | Data type | size | Note |
|---|---|---|---|
| OrderNo | Number | 3 | PK |
| Odate | Date | | NN |
| CustNo | Number | 3 | FK- Customer |
| Ord_amt | Number | 5 | |

Order_Item

| Field name | Data type | size | Note |
|---|---|---|---|
| OrderNo | Number | 3 | PK |
| ItemNo | Number | 3 | PK |
| Qty | Number | 5 | |

Shipment

| Field name | Data type | size | Note |
|---|---|---|---|
| OrderNo | Number | 3 | PK |
| WarehouseNo | Varchar2 | 3 | PK |
| Ship_date | Date | | |

Warehouse

| Field name | Data type | size | Note |
|---|---|---|---|
| WarehouseNo | Varchar2 | 3 | PK |
| City | Varchar2 | 12 | |

2. Fill the table by following data:

Customer

| custNo | Cname | City |
|---|---|---|
| 11 | Sara | Doha |
| 22 | Fatma | Doha |
| 33 | Omar | Khor |
| 44 | Ali | Shimal |
| 55 | Hassan | Khor |

Orders

| OrderNo | Odate | CustNo | Ord_amt |
|---|---|---|---|
| 21 | 03-Apr-02 | 11 | 10000 |
| 22 | 09-Mar-04 | 22 | 11000 |
| 23 | 23-Jan-01 | 33 | 14000 |
| 24 | 11-Aug-08 | 44 | 16000 |
| 25 | 06-Oct-10 | 55 | 20000 |

Item

| ItemNo | UnitPrice |
|---|---|
| 1 | 1100 |
| 2 | 1200 |
| 3 | 1300 |
| 4 | 1400 |
| 5 | 1500 |

Order_Item

| OrderNo | ItemNo | Qty |
|---|---|---|
| 21 | 1 | 20 |
| 25 | 5 | 30 |
| 22 | 2 | 40 |
| 24 | 4 | 10 |
| 23 | 3 | 60 |

Shipment

| OrderNo | WarehouseNo | Ship_date |
|---|---|---|
| 21 | W1 | 11-Jan-02 |
| 25 | W2 | 24-Feb-10 |
| 22 | W3 | 13-Jun-05 |
| 24 | W4 | 16-Sep-09 |
| 23 | W5 | 28-Apr-03 |

Warehouse

| WarehouseNo | City |
|---|---|
| W1 | Najma |
| W2 | Khor |
| W3 | Doha |
| W4 | Muntza |
| W5 | Rayaan |

3. Create view for all customers with their orders.
4. Create a query to display the orderNo and Ship_date for all orders shipped from warehouseNo W2.
5. Create a query to display the warehouse information from which the customer named “Fatma” was supplied his orders. Produce a listing: orderNo, WarehouseNo,
6. Create a query to display the cname,No_of_orders, Avg_order_amt, where the middle column is the total number of orders and last column is the average order amount for that customer.
7. Create a query to display the orders that were not shipped within 30 days of ordering.
8. Create a query to display the orderNo for orders that were shipped from all warehouse that the company has in Rayaan.
9. Delete all orders for customer named "Sara".
10. List all items that have a price greater than the average price.
11. Find the item with the maximum unit price.
12. List all customer names whose orders were shipped from a warehouse in the same city as they live in.