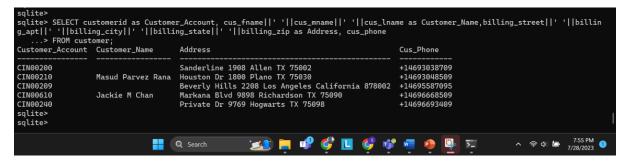**Shamima Ahsan & Samiha Nafish Shamma (Group)**
Student ID: 1002116096 and 1002135615
Assignment-5_Applied Database Management INSY 5335
July/28/2023

Question 2: Executing the Queries

1. List all customer names, addresses, and phone numbers.

    SELECT customerid AS Customer_Account, cus_fname||' '||cus_mname||' '||cus_lname AS
    Customer_Name,billing_street||' '||billing_apt||' '||billing_city||' '||billing_state||'
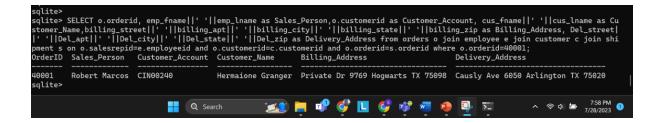   '||billing_zip AS Address, cus_phone

    FROM customer;

2. Pick an order and get all information about that order included in the order form. This
    may be split into two queries, one for the header and the other for the order lines.

    a. Order number, Sales Rep name, Customer Account, Customer Name, Billing
        address, Delivery Address.
    b. Furniture Id, Description, Quantity, Unit Price.

    a. Considered Order number 40001

    SELECT o.orderid, emp_fname||' '||emp_lname AS Sales_Person,o.customerid AS
    Customer_Account, cus_fname||' '||cus_lname AS Customer_Name,billing_street||'
    '||billing_apt||' '||billing_city||' '||billing_state||' '||billing_zip AS Billing_Address,
    Del_street||' '||Del_apt||' '||Del_city||' '||Del_state||' '||Del_zip AS Delivery_Address

    FROM orders o JOIN employee e JOIN customer c JOIN shipment s

    ON o.salesrepid=e.employeeid AND o.customerid=c.customerid AND o.orderid=s.orderid

    WHERE o.orderid=40001;

```
sqlite>
sqlite> SELECT o.orderid, emp_fname||' '||emp_lname as Sales_Person,o.customerid as Customer_Account, cus_fname||' '||cus_lname as Cu
stomer_Name,billing_street||' '||billing_apt||' '||billing_city||' '||billing_state||' '||billing_zip as Billing_Address, Del_street|
|' '||Del_apt||' '||Del_city||' '||Del_state||' '||Del_zip as Delivery_Address from orders o join employee e join customer c join shi
pment s on o.salesrepid=e.employeeid and o.customerid=c.customerid and o.orderid=s.orderid where o.orderid=40001;
OrderID Sales_Person   Customer_Account  Customer_Name     Billing_Address                   Delivery_Address
------- -------------- ----------------- -----------------  --------------------------------  -----------------------------------
40001   Robert Marcos  CIN00240          Hermaione Granger  Private Dr 9769 Hogwarts TX 75098  Causly Ave 6050 Arlington TX 75020
sqlite>
```

b.

SELECT o.orderid, a.art_des, a.art_price AS Unit_Price, g.qty_ordered

FROM orders o JOIN assign g JOIN artworks a

ON o.orderid=g.orderid AND a.artid=g.artid

WHERE o.orderid=40001;

```
sqlite>
sqlite> SELECT o.orderid, a.art_des, a.art_price as Unit_Price, g.qty_ordered
   ...> FROM orders o JOIN assign g JOIN artworks a
   ...> ON o.orderid=g.orderid AND a.artid=g.artid
   ...> WHERE o.orderid=40001;
OrderID Art_Des              Unit_Price  Qty_Ordered
------- -------------------- ----------  -----------
40001   3X3 wild life photo  25.34       1
sqlite>
```

3. What is the phone number of the salesrep who took order in the query above?

   SELECT o.orderid, emp_fname||' '||emp_lname AS Sales_Person, emp_phone
   FROM orders o, employee e
   WHERE (o.salesrepid=e.employeeid) AND o.orderid=40001;

```
sqlite>
sqlite> SELECT o.orderid, emp_fname||' '||emp_lname as Sales_Person, emp_phone
   ...> FROM orders o, employee e
   ...> WHERE (o.salesrepid=e.employeeid) AND o.orderid=40001;
OrderID Sales_Person   Emp_Phone
------- -------------- -------------
40001   Robert Marcos  +17686789970
sqlite>
sqlite>
```

4. Pick a driver and list all customers whose orders have been delivered by him/her.

   SELECT v.driverid, e.emp_fname||' '||e.emp_lname AS Driver_Name, c.cus_fname||'
   '||c.cus_lname AS Customer_Name

   FROM employee e JOIN vehicle v JOIN shipment s JOIN orders o JOIN customer c

   ON o.orderid=s.orderid AND s.vehicleid=v.vehicleid AND v.driverid=e.employeeid AND
   o.customerid=c.customerid

WHERE v.driverid=1004010;

```
sqlite>
sqlite> SELECT v.driverid, e.emp_fname||' '||e.emp_lname as Driver_Name, c.cus_fname||' '||c.cus_lname as Customer_Name
   ...> FROM employee e JOIN vehicle v JOIN shipment s JOIN orders o JOIN customer c
   ...> ON o.orderid=s.orderid AND s.vehicleid=v.vehicleid AND v.driverid=e.employeeid  AND o.customerid=c.customerid
   ...> WHERE v.driverid=1004010;
DriverID  Driver_Name  Customer_Name
--------  -----------  -------------
1004010   John Stone   Jackie Chan
1004010   John Stone   Harry Potter
sqlite>
```

5. What is the total value (quantity time unit price) of all items in stock that have unit prices
    exceeding $25?

    SELECT art_des, art_price AS Unit_price, art_qty AS Stock_Quantity, art_price*art_qty AS
    Total_Value

    FROM Artworks

    WHERE art_price>25;

```
sqlite>
sqlite> SELECT art_des, art_price AS Unit_price, art_qty AS Stock_Quantity, art_price*art_qty AS Total_Value
   ...> FROM Artworks
   ...> WHERE art_price>25;
Art_Des                        Unit_price  Stock_Quantity  Total_Value
-----------------------------  ----------  --------------  -----------
Glass sculpture 5 feet 2 inch  29.34       7               205.38
3X3 wild life photo            25.34       3               76.02
sqlite>
```