LAB-6 (program)

PROGRAM 6. ORDER PROCESSING DATABASE

Consider the following relations for an Order Processing database application in a company.

CUSTOMER (CUST #: int, cname: String, city: String)

ORDER (order #: int, odate: date, cust #: int, ord-Amt: int)

ITEM (item #: int, unit-price: int)

ORDER-ITEM (order #: int, item #: int, qty: int)

WAREHOUSE (warehouse #: int, city: String)

SHIPMENT (order #: int, warehouse #: int, ship-date: date)

i. Create the above tables by properly specifying the primary keys and the foreign keys and the foreign keys.

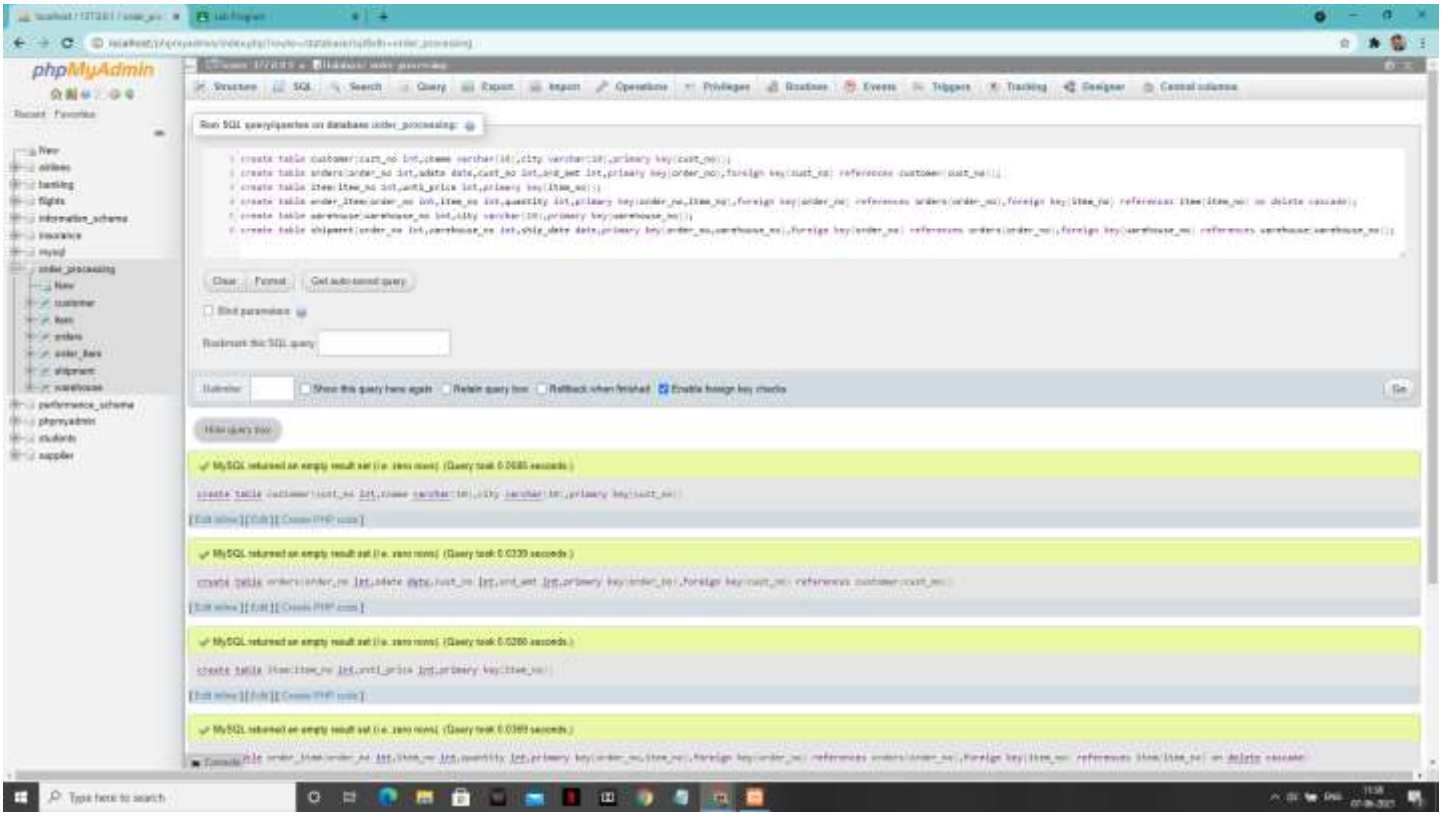
ii. Enter at least five tuples for each relation.

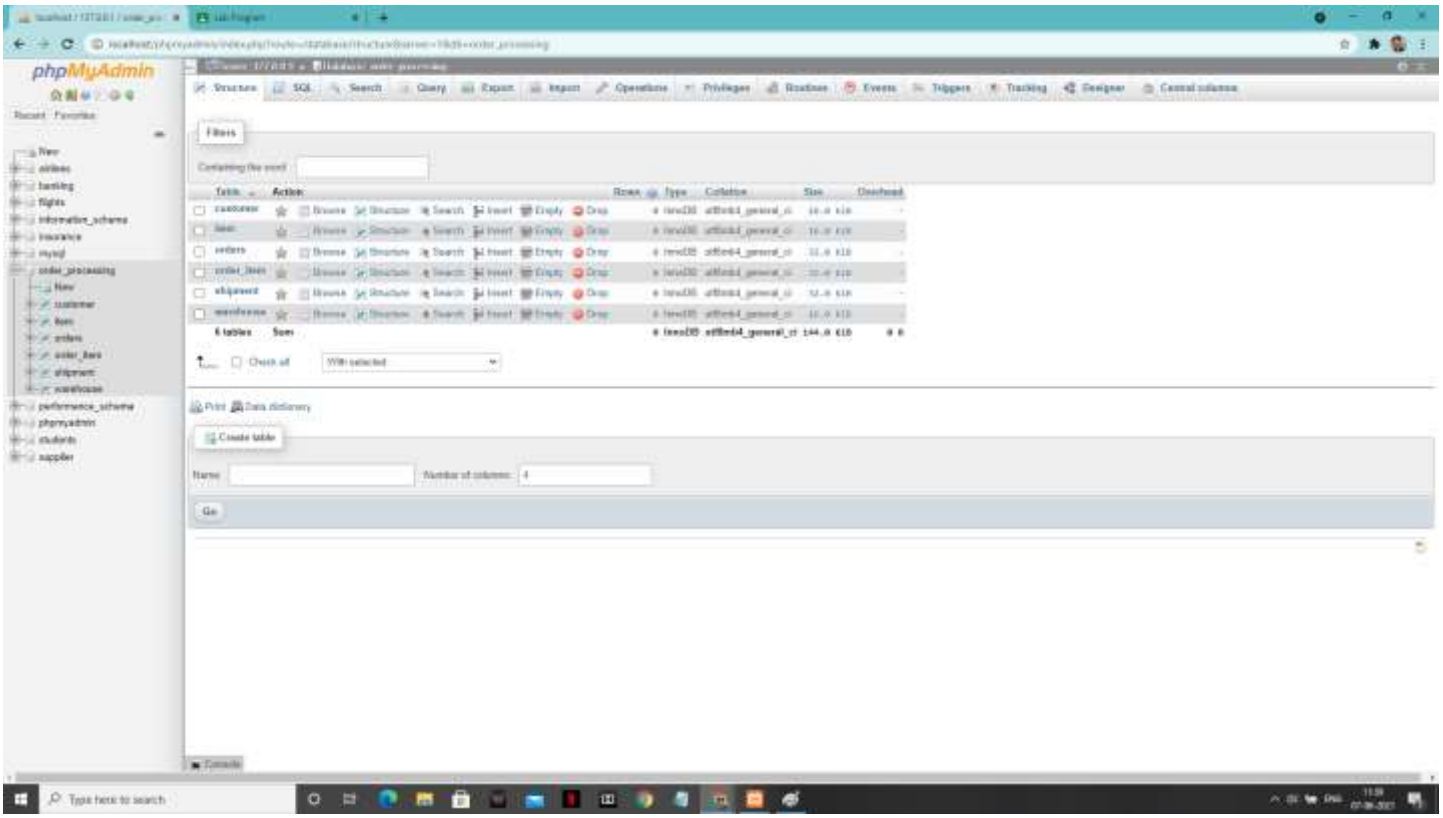
iii. Produce a listing: CUSTNAME, #oforders, AVG_ORDER_AMT, where the middle column is the total numbers of orders by the customer and the last column is the average order amount for that customer.

iv. List the order# for orders that were shipped from all warehouses that the company has in a specific city.

v. Demonstrate how you delete item# 10 from the ITEM table and make that field null in the ORDER_ITEM table.

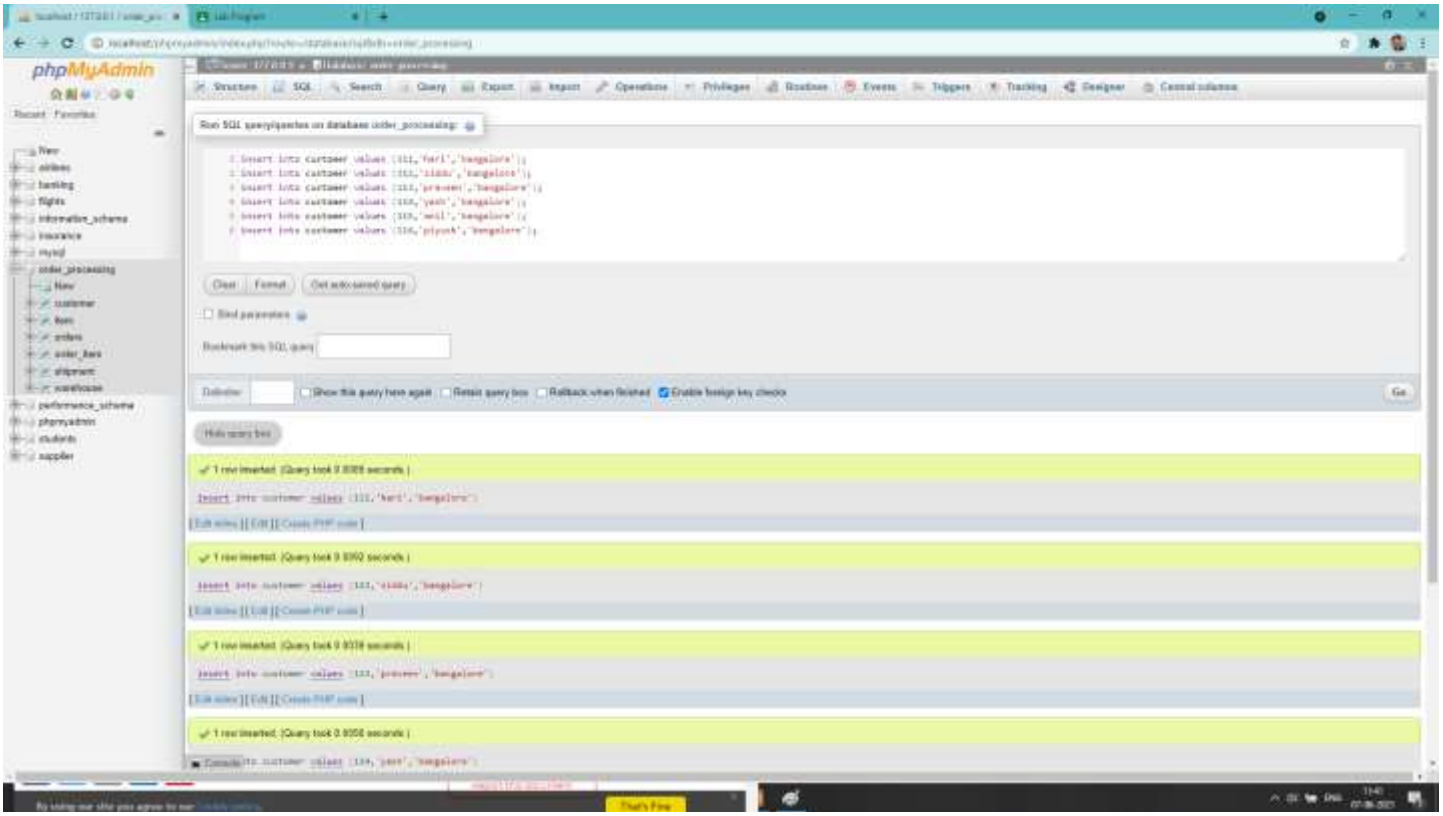
Create table:-



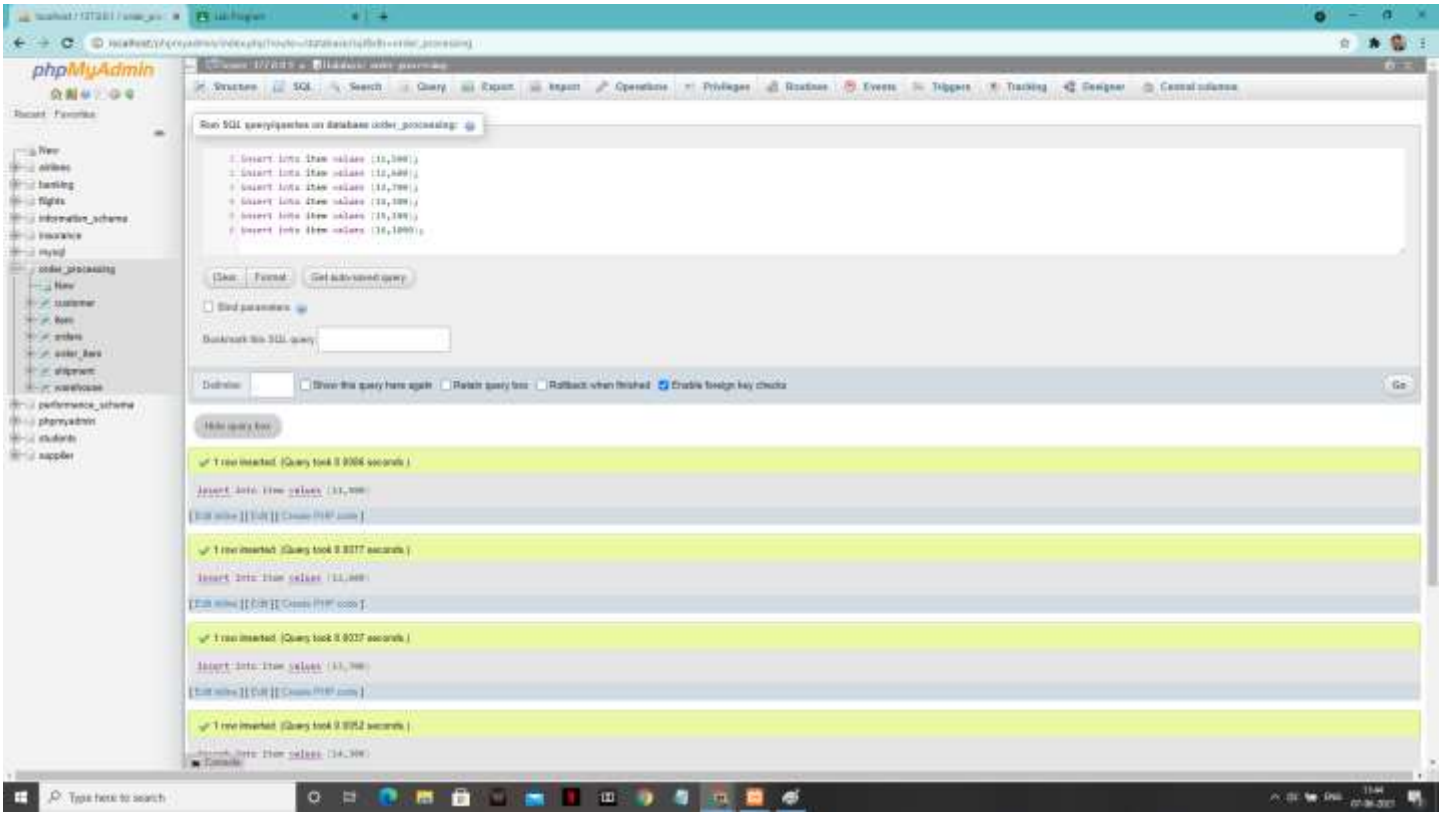


2) Enter tuples for each relation.

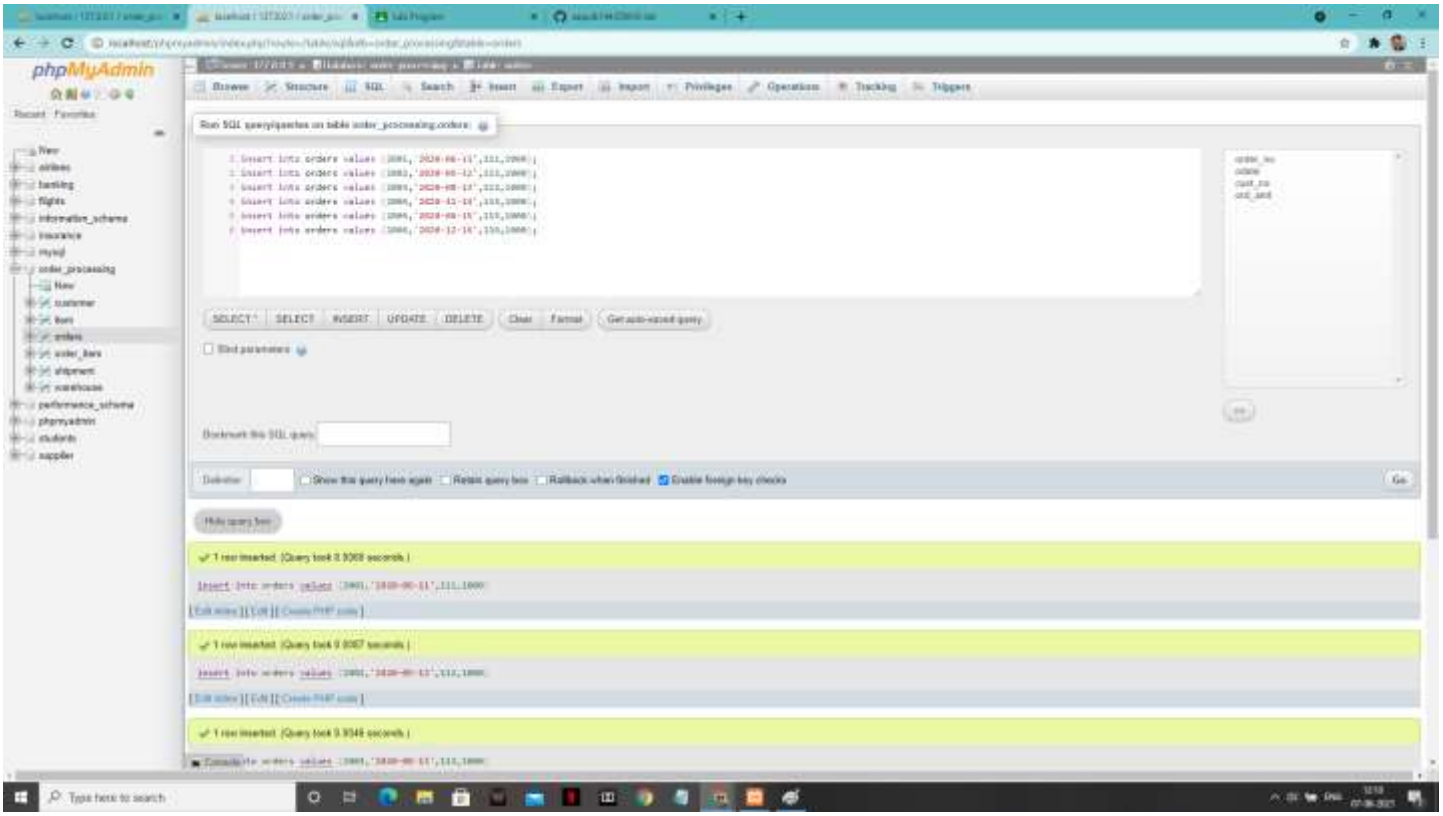
'Customer' table:


phpMyAdmin
Structure
SQL
Search
Query
Export
Import
Operations
Privileges
Routines
Events
Triggers
Tracking
Designer
Central columns
Run SQL query/queries on database order_processing:
1 insert into customer values (111,'hari','bangalore');
2 insert into customer values (112,'siddu','bangalore');
3 insert into customer values (113,'praveen','bangalore');
4 insert into customer values (114,'yash','bangalore');
5 insert into customer values (115,'anil','bangalore');
6 insert into customer values (116,'piyush','bangalore');
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
Go
Hide query box
1 row inserted. (Query took 0.0035 seconds.)
insert into customer values (111,'hari','bangalore');
[Edit inline] [Edit] [Create PHP code]
1 row inserted. (Query took 0.0092 seconds.)
insert into customer values (112,'siddu','bangalore');
[Edit inline] [Edit] [Create PHP code]
1 row inserted. (Query took 0.0038 seconds.)
insert into customer values (113,'praveen','bangalore');
[Edit inline] [Edit] [Create PHP code]
1 row inserted. (Query took 0.0056 seconds.)
insert into customer values (114,'yash','bangalore');

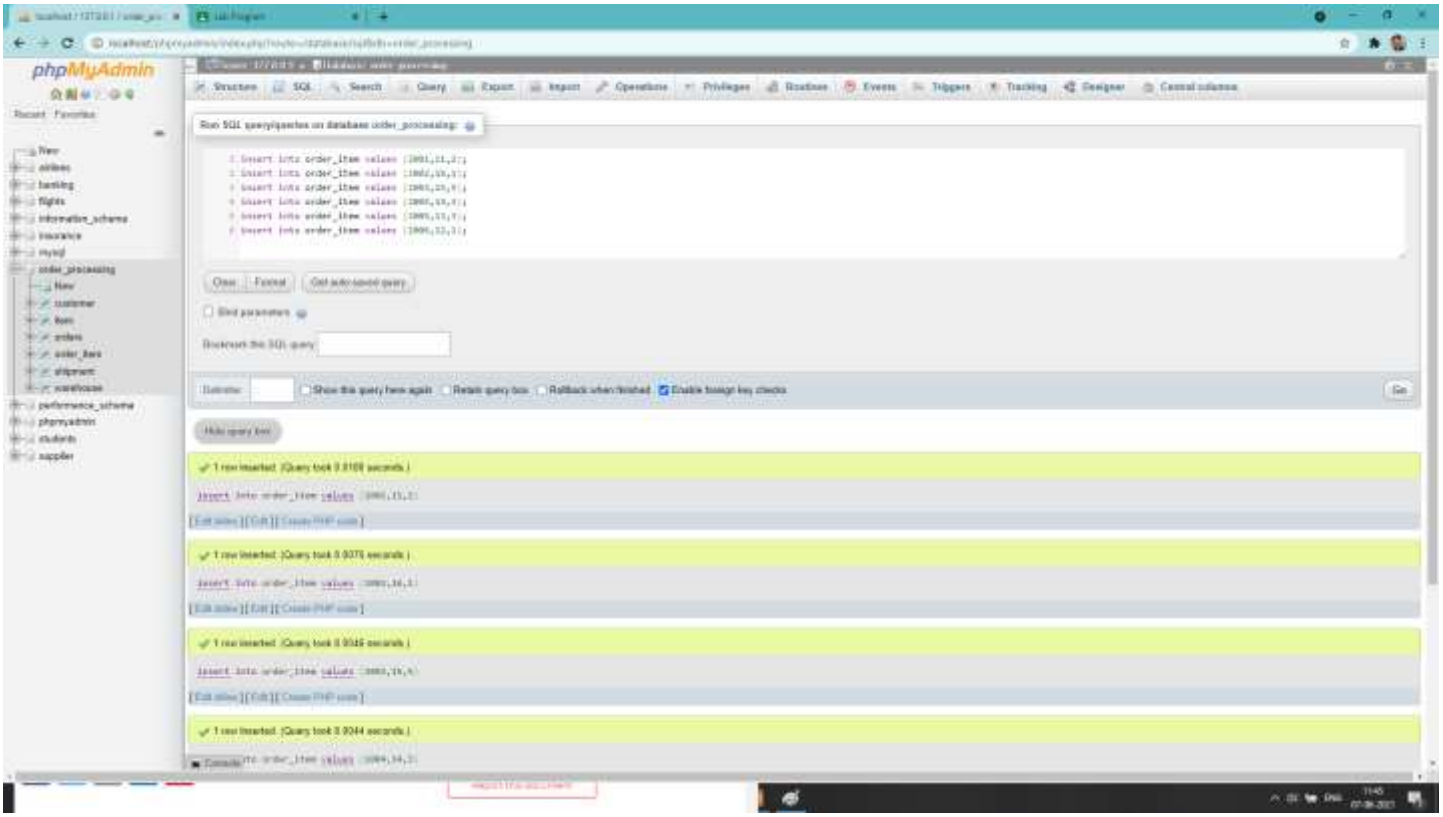
‘Item’ table:


phpMyAdmin
Run SQL query/queries on database order_processing:
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
Go
Hide query box
1 row inserted. (Query took 0.0006 seconds.)
insert into item values (11,500);
1 row inserted. (Query took 0.0017 seconds.)
insert into item values (12,600);
1 row inserted. (Query took 0.0037 seconds.)
insert into item values (13,700);
1 row inserted. (Query took 0.0052 seconds.)
insert into item values (14,300);
Type here to search

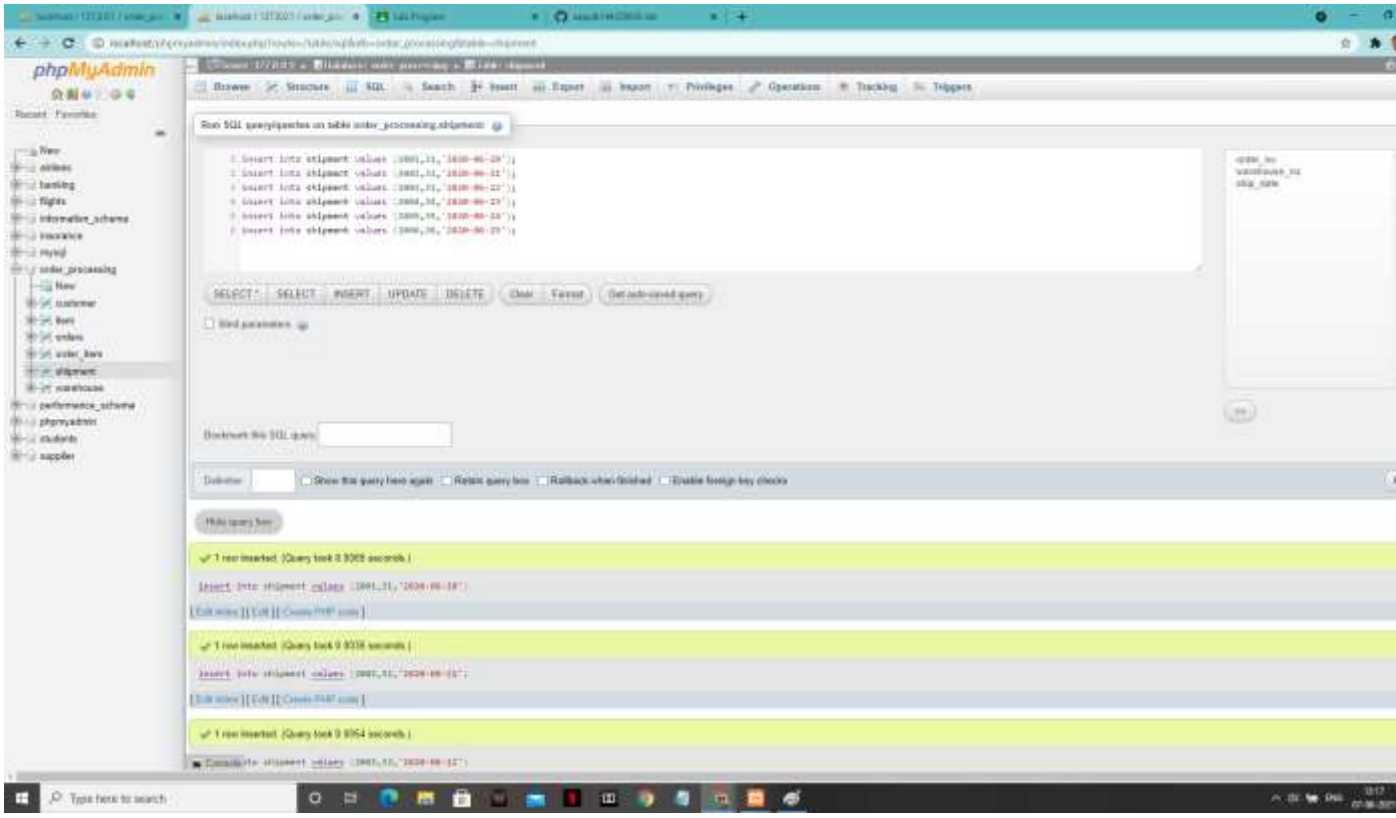
‘Order’ table:



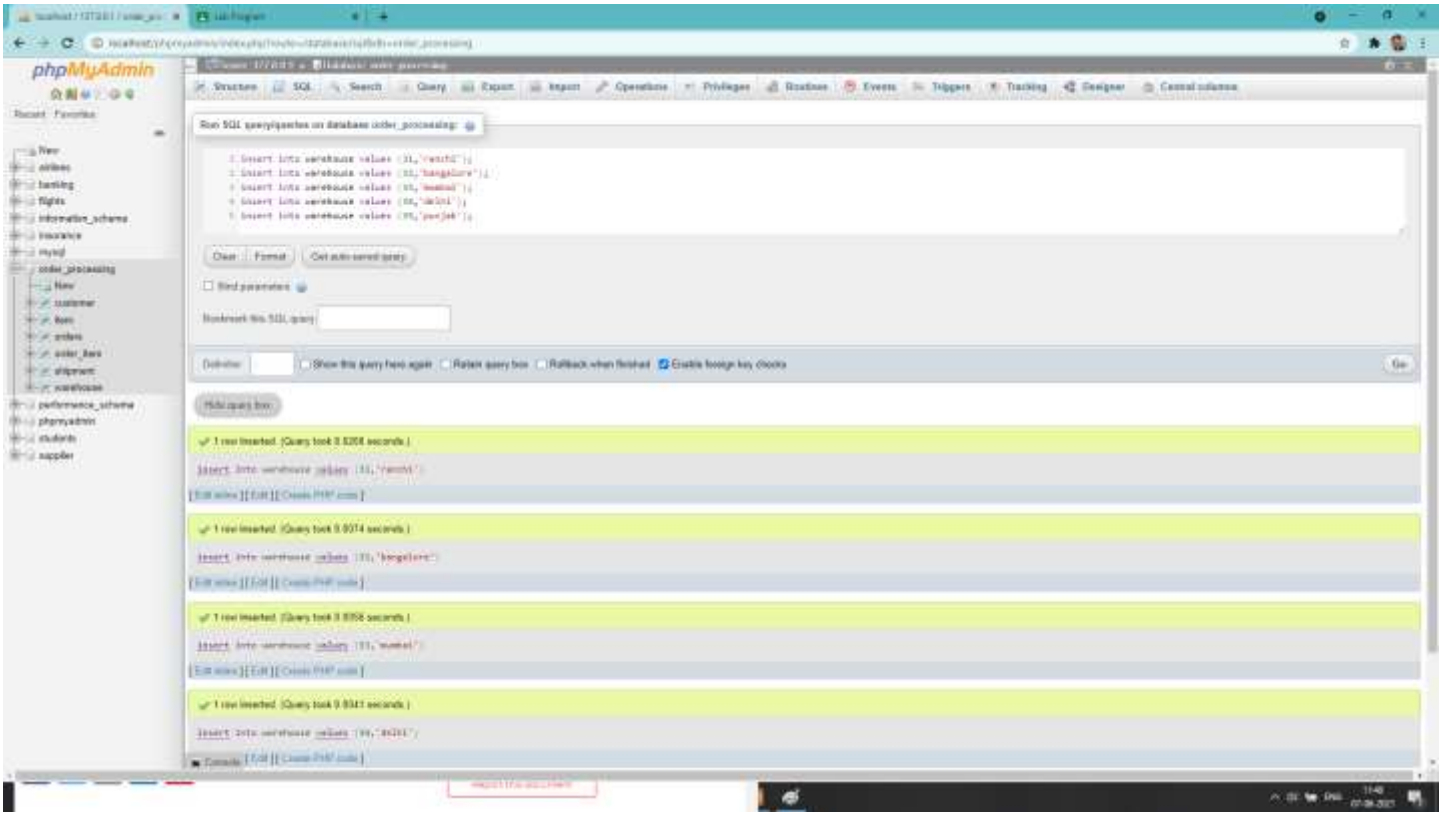
Order_item value: -



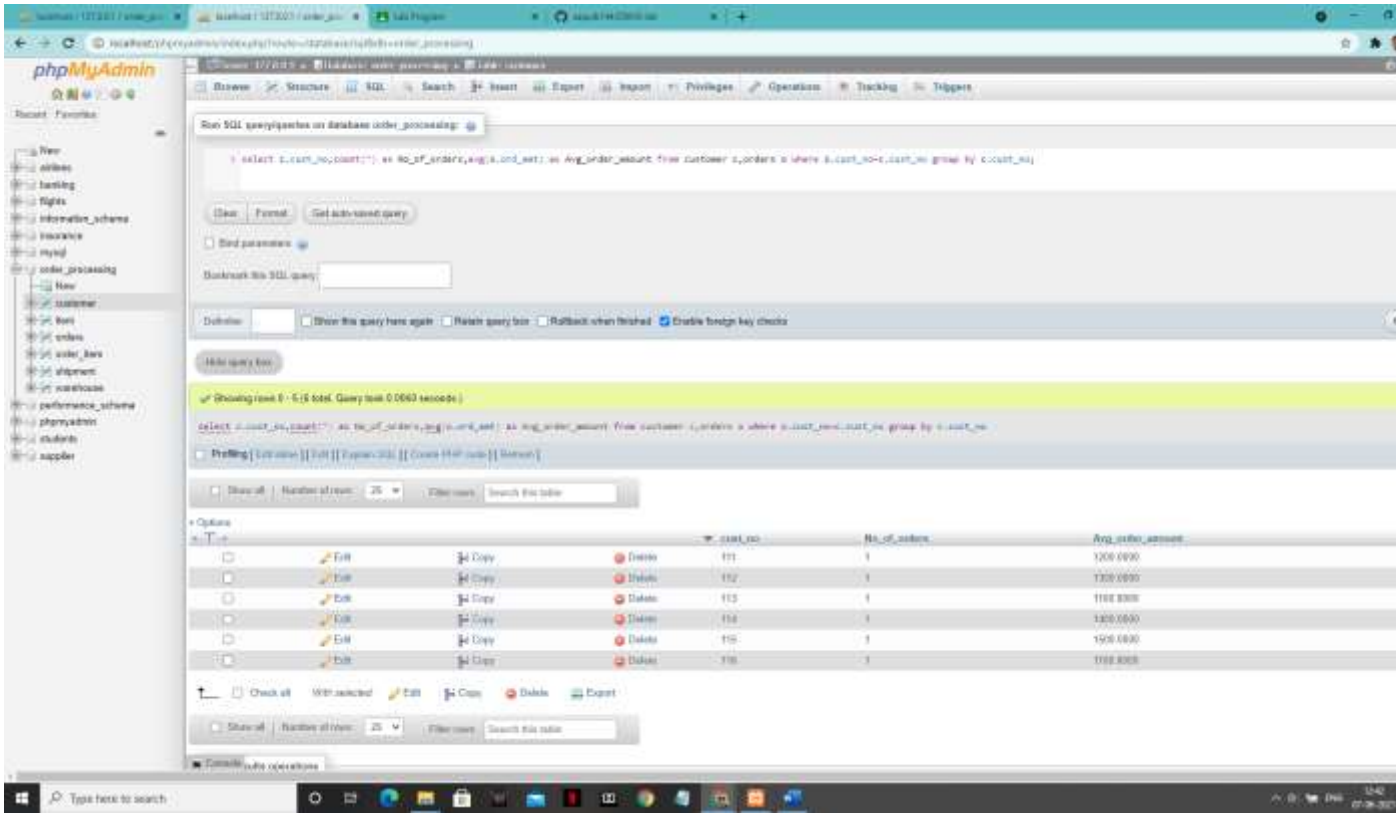
Shipment table:



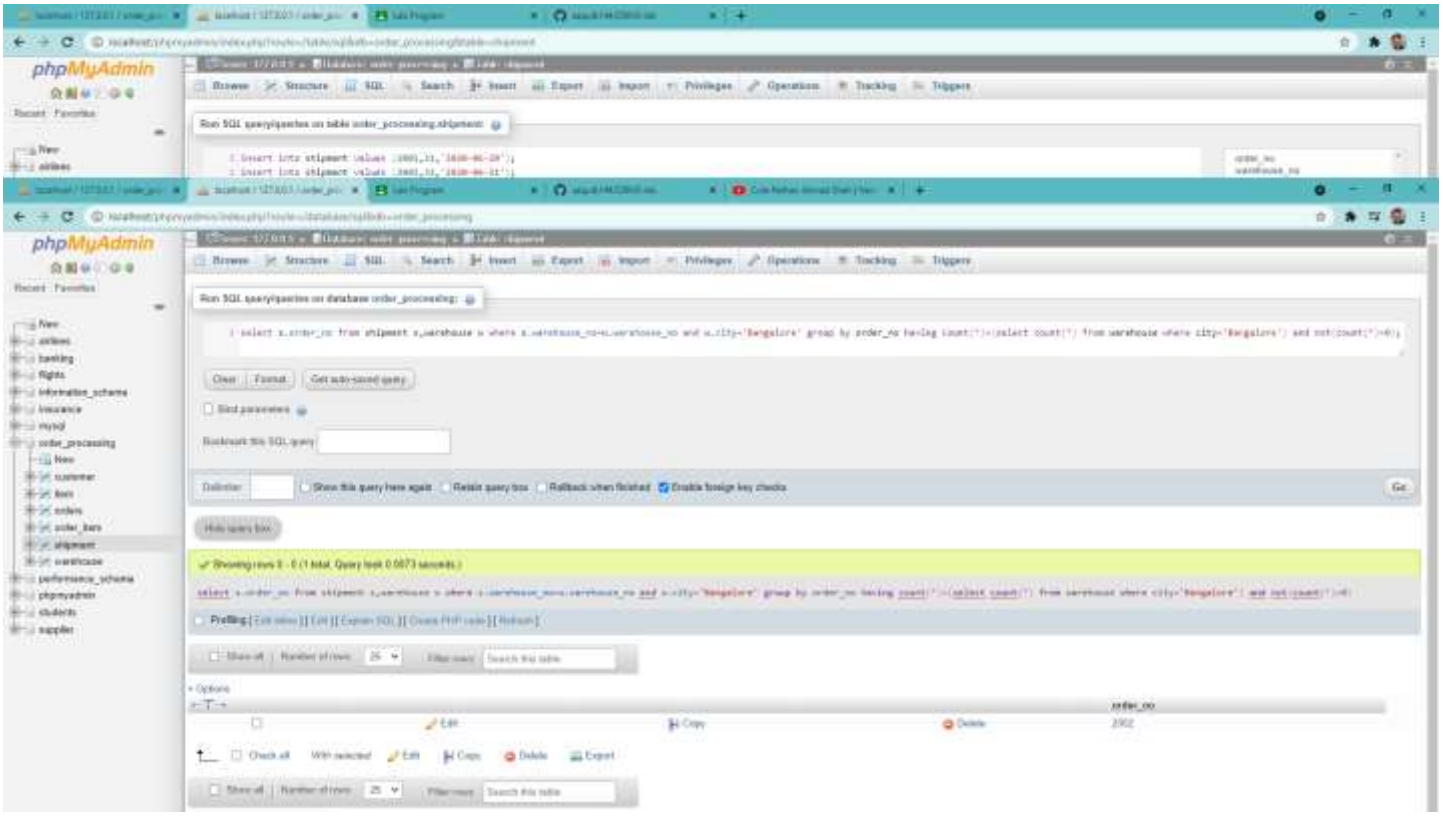
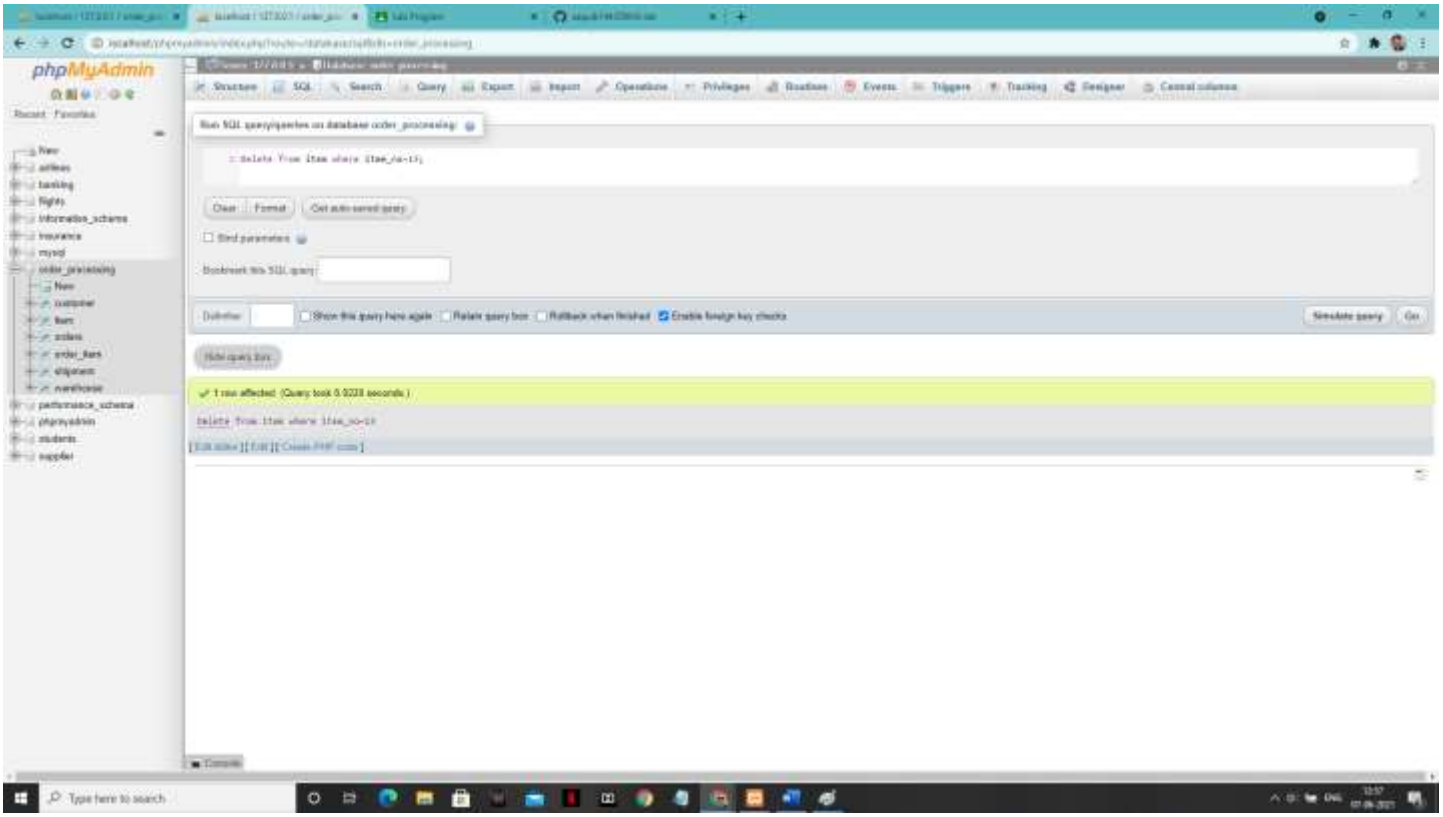
Warehouse table:-



1:-



2:-



3:-