DBMS PROJECT

Team Members:

Md. Johir Raihan (2017000000190)

Md. Mozahidur Rahman (2017000000235)

Project Description:

Objective: We plan to develop a database management system for the pharmacies. Pharmacies have a large number of different medicines which makes it difficult for the chemist/seller to quickly retrieve the medicine. What we plan to do is implement a database management system which help the pharmacists by digitalizing all the manual work such as creating invoice, storing records etc. It will also help the pharmacist store the history of purchases of a person as it may be needed in the future.

Feature: We will present different view to the user in order to answer the queries which we have mentioned below.

1. We have created spend_n_price view to monitoring spend and earning.
2. Staffs view will help to display total staffs working here.

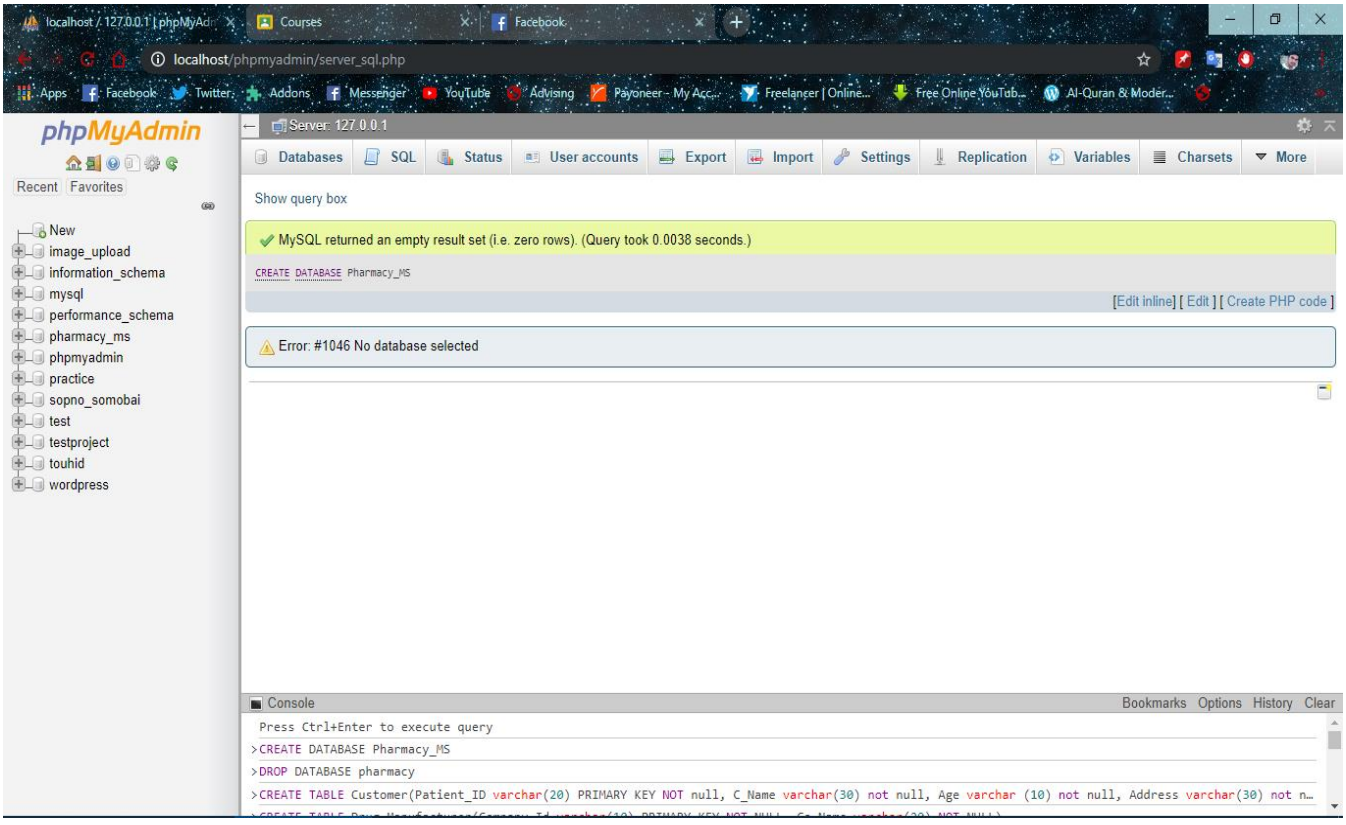
Constraints and the Relational Schema:

1. **CUSTOMER**(Patient_ID,C_Name,Age,Address,Contact_No, Gender)
    a. Patient_ID is primary key
2. **DRUG_MANUFACTURER**(Company_ID,Name)
    a. Company_ID is primary key
3. **DOCTOR**(Doctor_ID,Contact_No,Name,Specialization)
    a. Doctor_ID is primary key
4. **SELL_TRANSCATION**(Sell_ID,Date,Employee_ID)
    a. Sell_ID is the primary key
    b. Employee_ID are foreign keys
5. **PURCHASE**(Date,Purchase_ID)
    a. Purchase_ID is primary key
6. **SELLS**(Sell_ID,Drug_ID,Patient_ID,Quantity)
    a. Sell_ID,Drug_ID and Patient_ID are foreign keys
7. **PRESCRIBES**(Patient_ID,Doctor_ID,Drug_ID,Description)
    a. Drug_ID,Doctor_ID and Patient_ID are foreign keys
8. **DRUG**(Cost_Price,Stock,Drug_ID,Name,Discount,MRP, Company_ID,Expiry Date,Power,Type)
    a. Drug_ID is the primary key
    b. Company_ID is foreign key
9. **SUPPLIES**(Quantity,Purchase_ID,Distributor_ID,Drug_ID)
    a. Distributor_ID,Drug_ID and Purchase_ID are also foreign keys
10. **DISTRIBUTOR**(Distributor_ID,Name,Contact_No)
    a. Distributor_ID is the primary key
11. **EMPLOYEE**(Employee_ID,Name,Contact_No)
    a. Employee_ID is the primary key

12. Quantity can never be 0
13. No attributes can be NULL in general

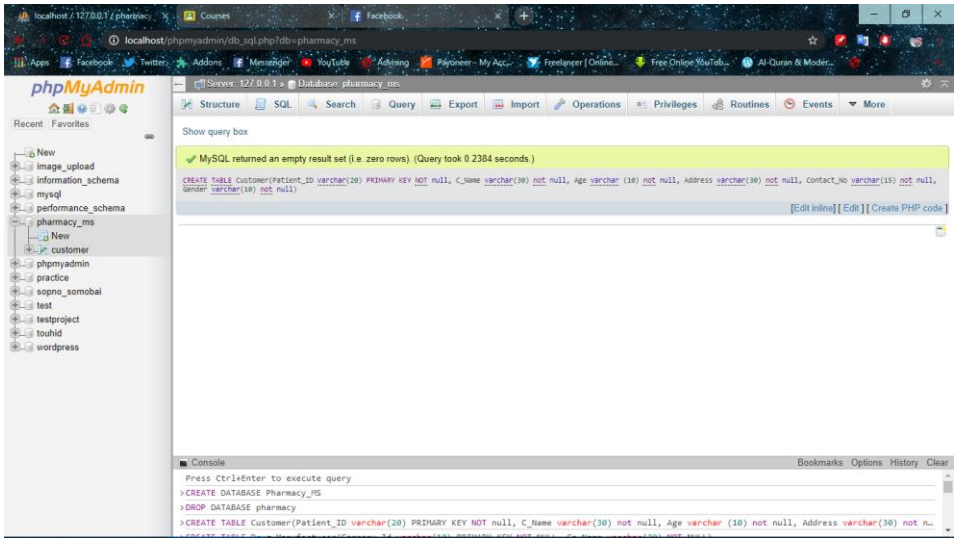
Queries

1. We created Database, name Pharmacy_ms

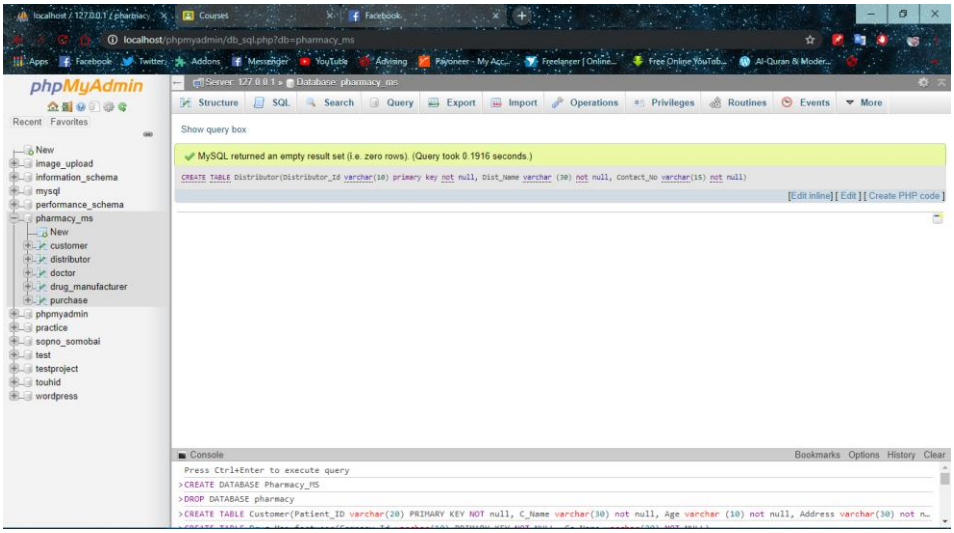


2. We created 11 tables
    a. Customer
    b. Doctor
    c. Employee
    d. Drug
    e. Drug_manufacturer
    f. Sells
    g. Sell_transaction
    h. Purchase
    i. Supplies
    j. Distributor
    k. Prescribes

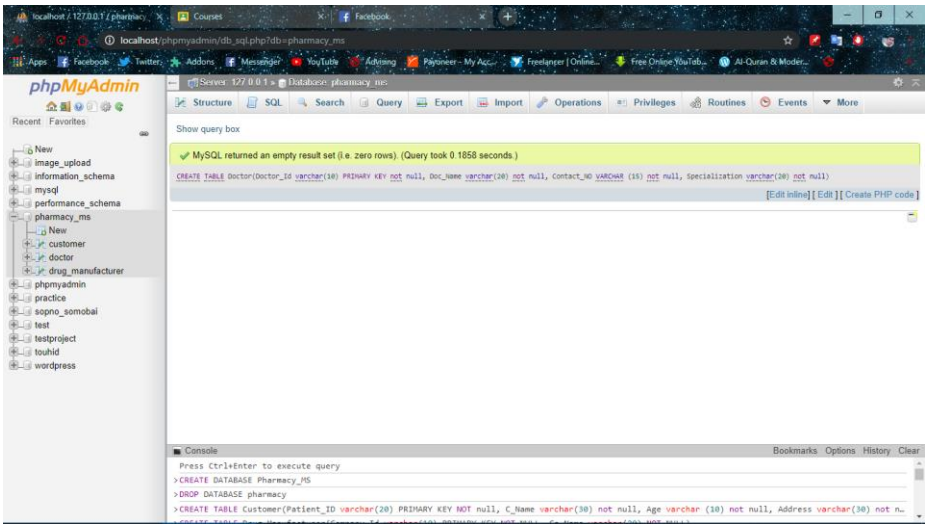
1.Customer Table



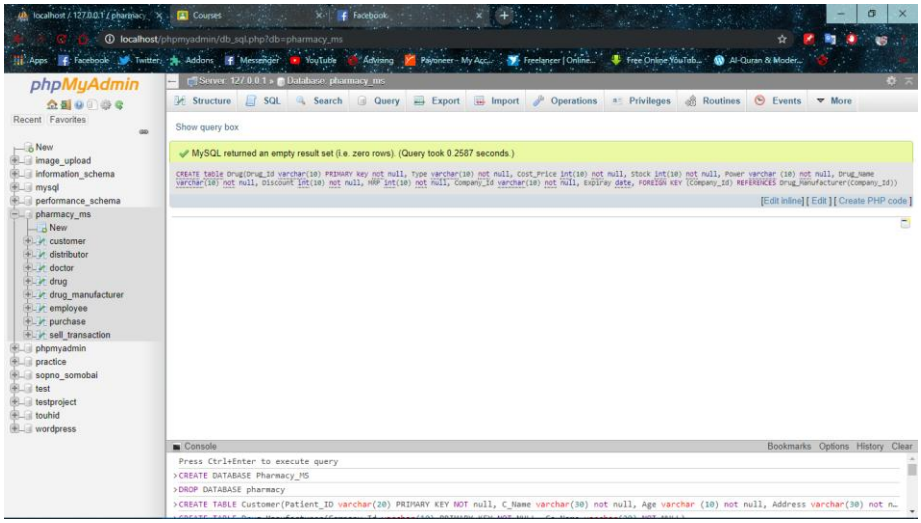
2. Distributor Table



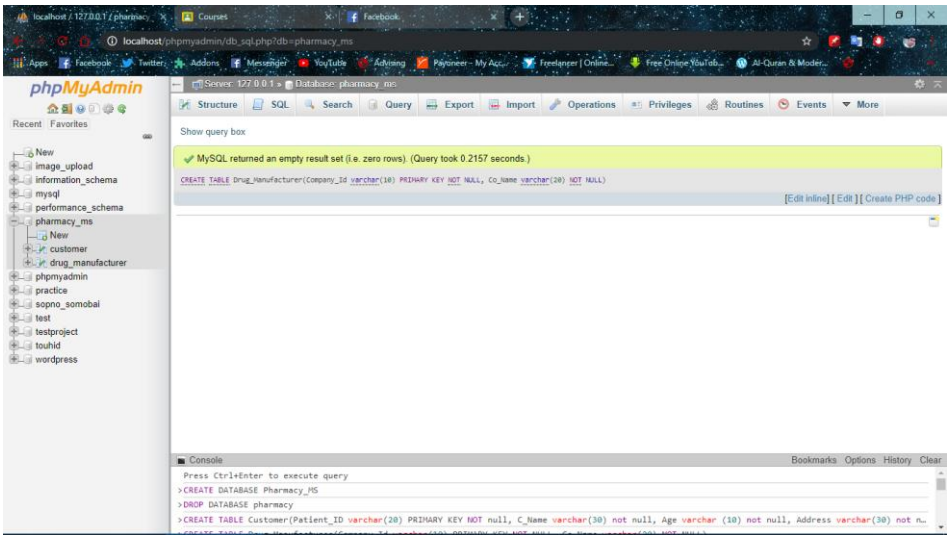
3. Doctor Table



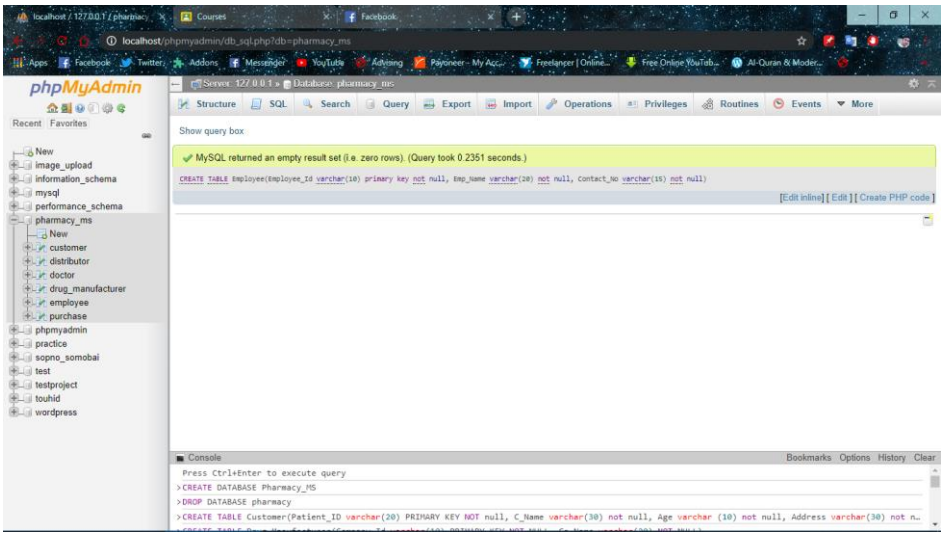
4. Drug Table



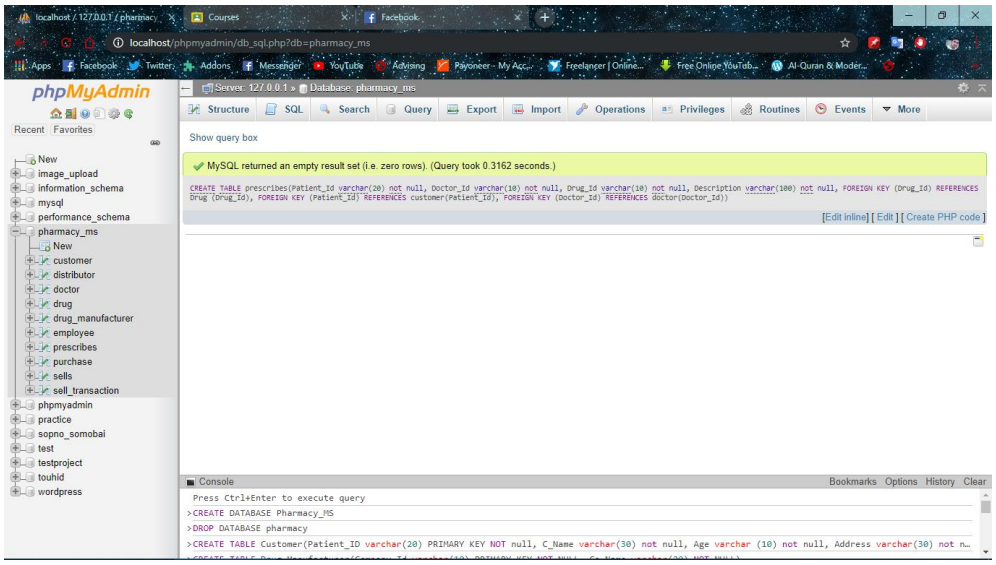
5. Drug_Manufacturer Table



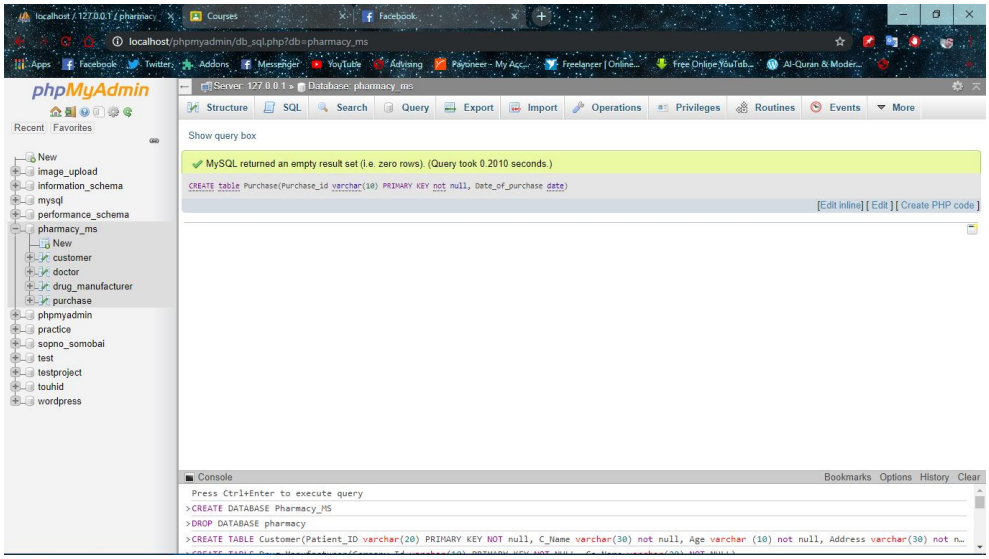
6. Employee Table



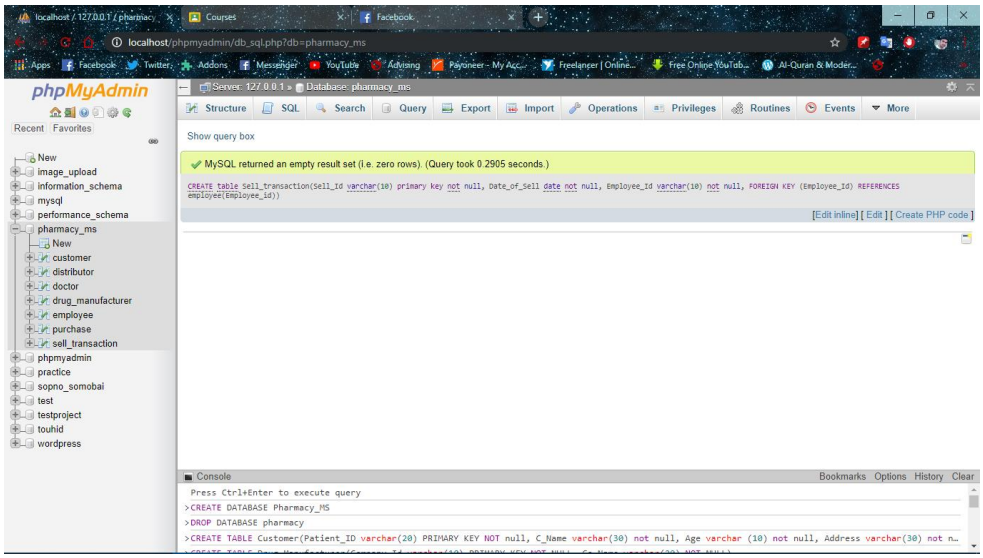
7. Prescribes Table



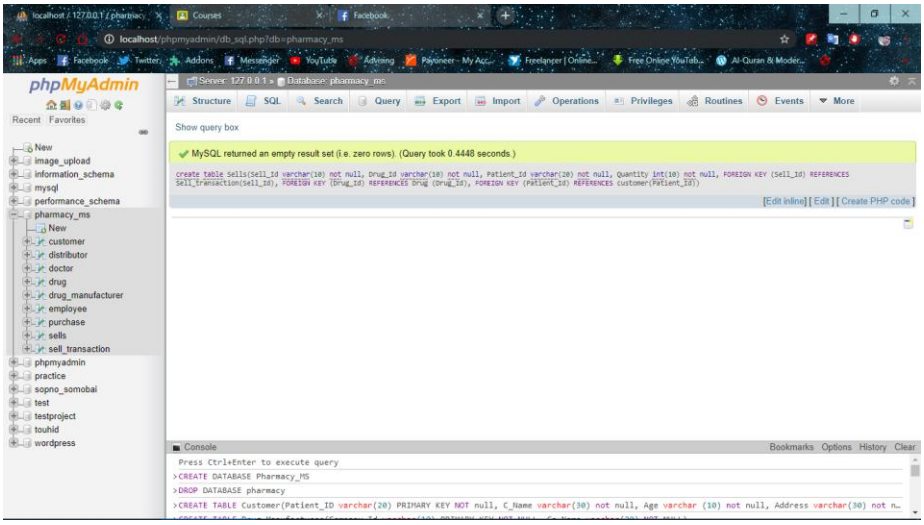
8. Purchase Table



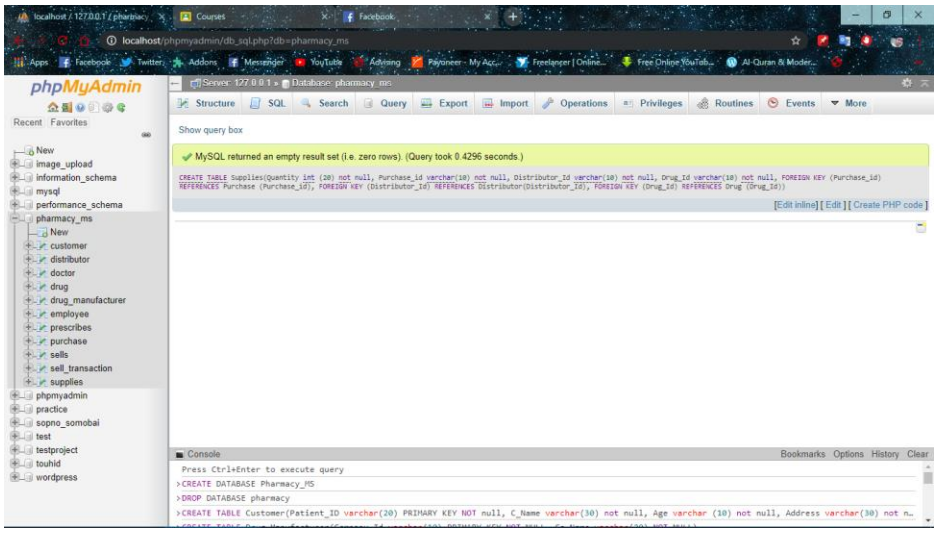
9. Sell_transaction Table



10. Sell Table

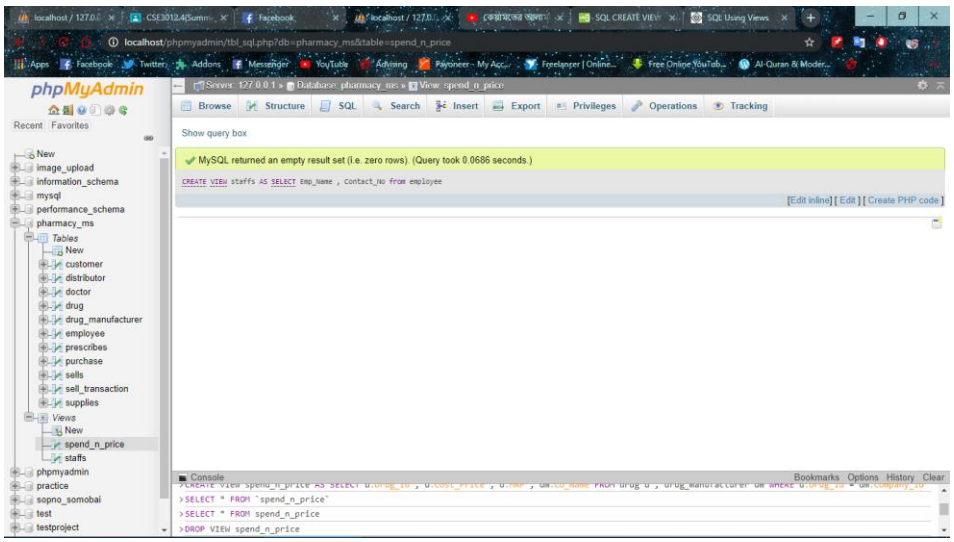


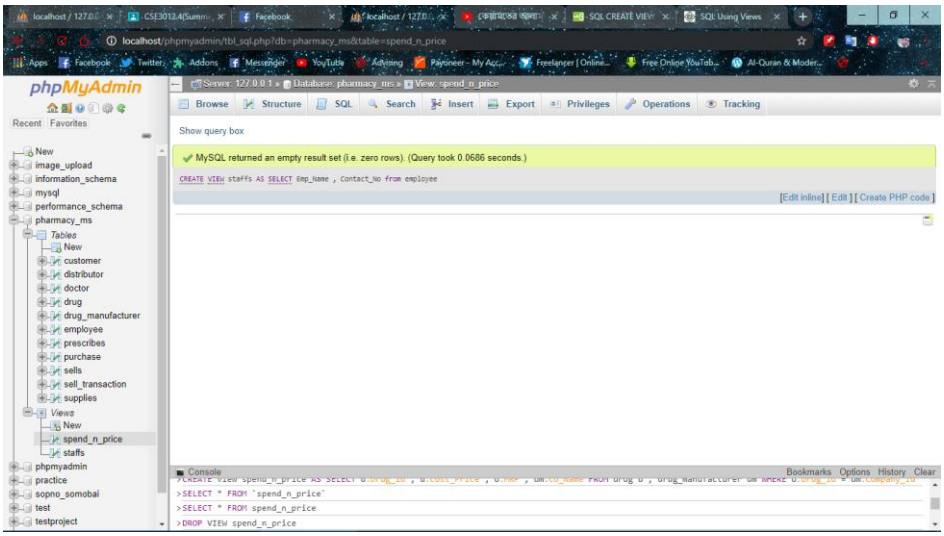
11. Supplies Table



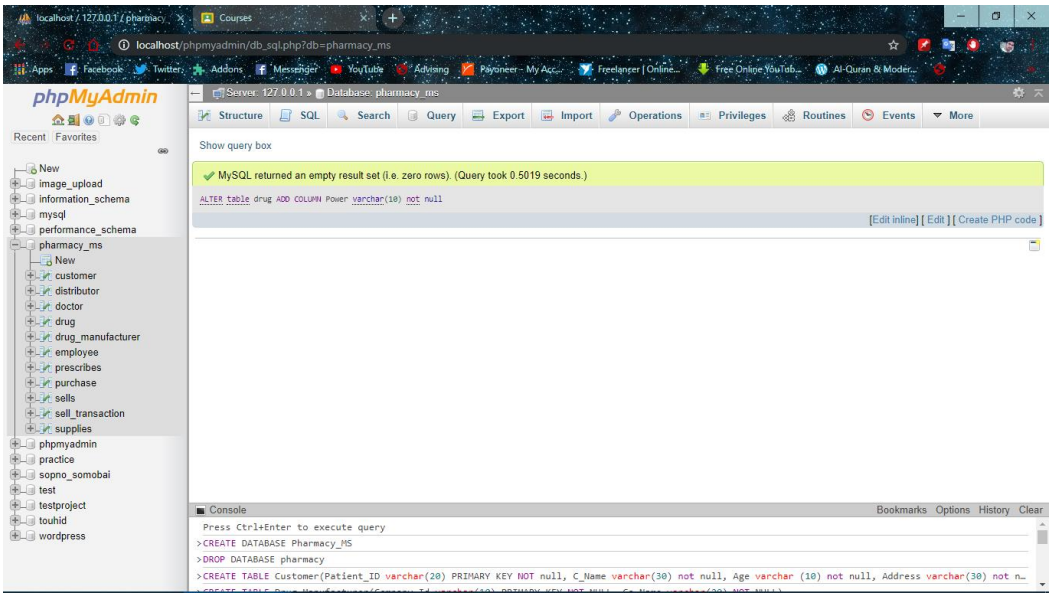
Operations

1. Creating views

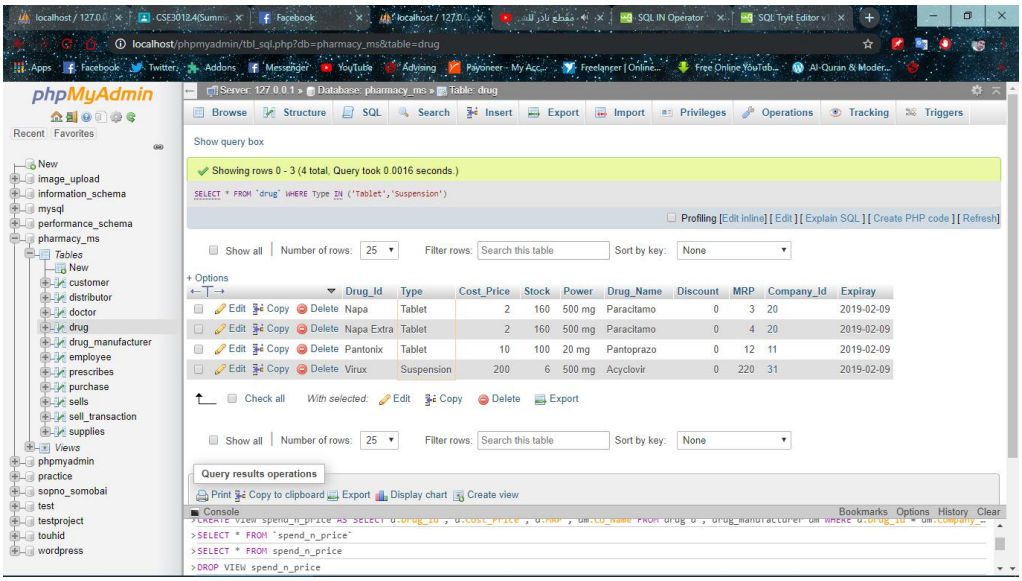


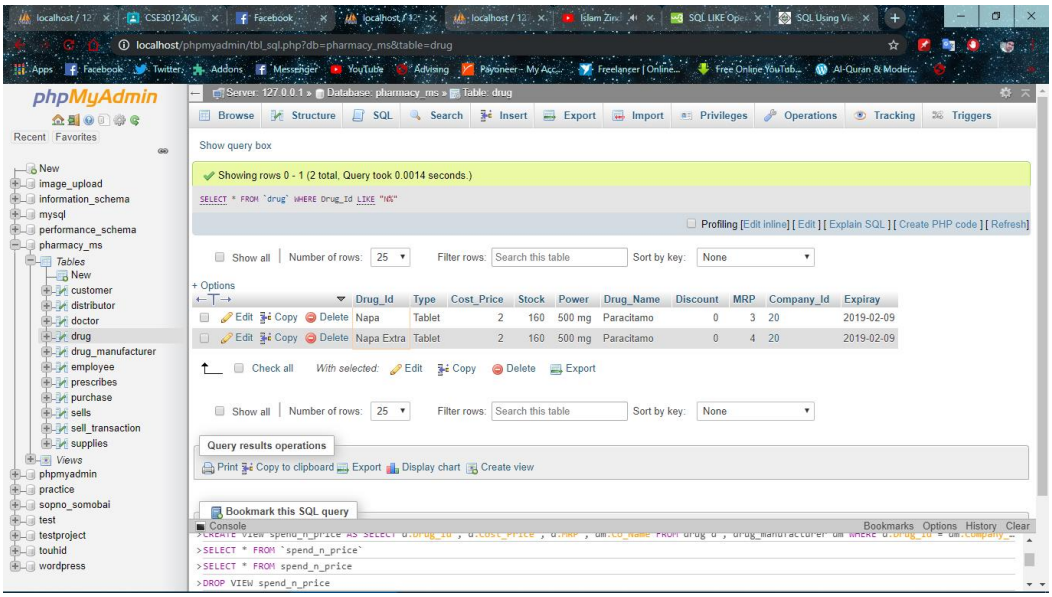

phpMyAdmin
Recent Favorites
New
image_upload
information_schema
mysql
performance_schema
pharmacy_ms
Tables
New
customer
distributor
doctor
drug
drug_manufacturer
employee
prescribes
purchase
sells
sell_transaction
supplies
Views
New
spend_n_price
staffs
phpmyadmin
practice
sopno_somobai
test
testproject
Browse Structure SQL Search Insert Export Privileges Operations Tracking
Show query box
MySQL returned an empty result set (i.e. zero rows). (Query took 0.0686 seconds.)
CREATE VIEW staffs AS SELECT Emp_Name , Contact_No from employee
[Edit inline] [Edit] [Create PHP code]
Console
Bookmarks Options History Clear
>SELECT * FROM `spend_n_price`
>SELECT * FROM spend_n_price
>DROP VIEW spend_n_price

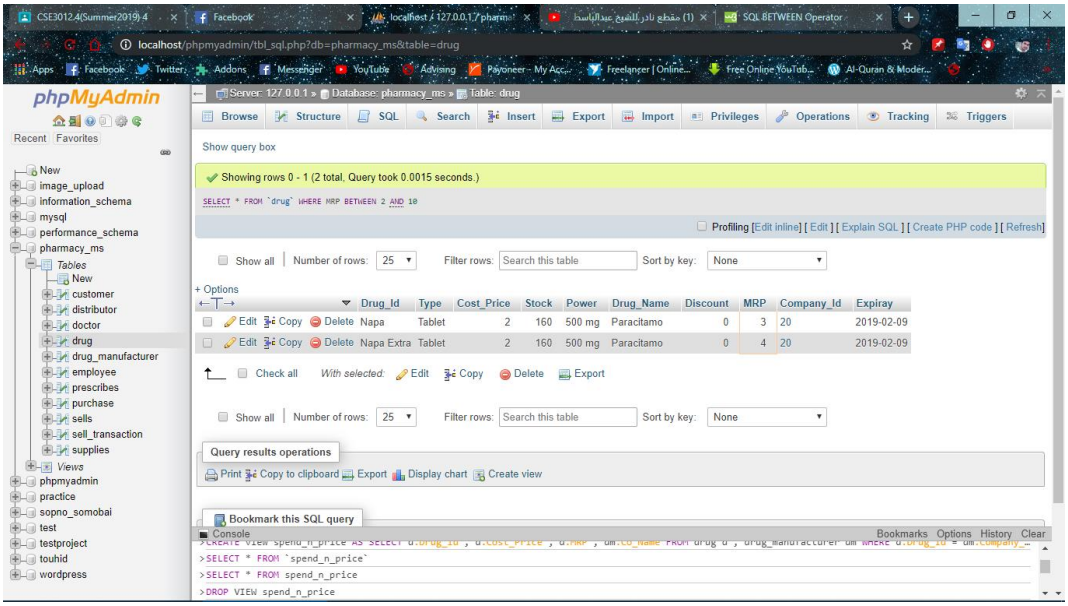
2. Alter


phpMyAdmin
Recent Favorites
New
image_upload
information_schema
mysql
performance_schema
pharmacy_ms
New
customer
distributor
doctor
drug
drug_manufacturer
employee
prescribes
purchase
sells
sell_transaction
supplies
phpmyadmin
practice
sopno_somobai
test
testproject
touhid
wordpress
Server: 127.0.0.1 » Database: pharmacy_ms
Structure SQL Search Query Export Import Operations Privileges Routines Events More
Show query box
MySQL returned an empty result set (i.e. zero rows). (Query took 0.5019 seconds.)
ALTER table drug ADD COLUMN Power varchar(10) not null
[Edit inline] [Edit] [Create PHP code]
Console
Bookmarks Options History Clear
Press Ctrl+Enter to execute query
>CREATE DATABASE Pharmacy_MS
>DROP DATABASE pharmacy
>CREATE TABLE Customer(Patient_ID varchar(20) PRIMARY KEY NOT null, C_Name varchar(30) not null, Age varchar (10) not null, Address varchar(30) not n…

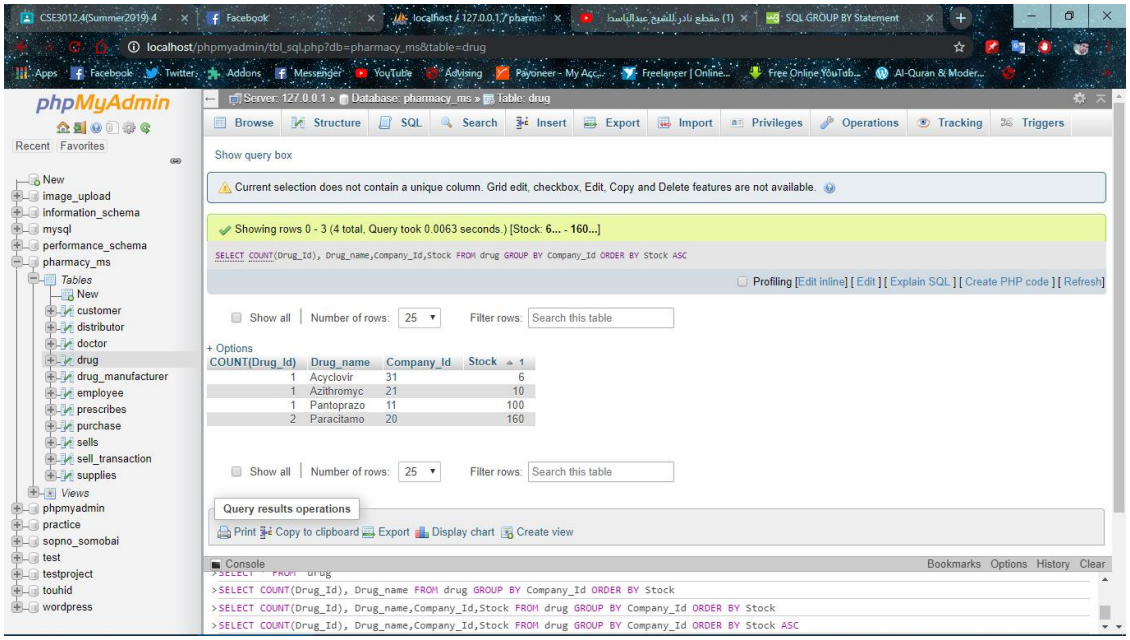
3.LIKE IN BETWEEN AND operations



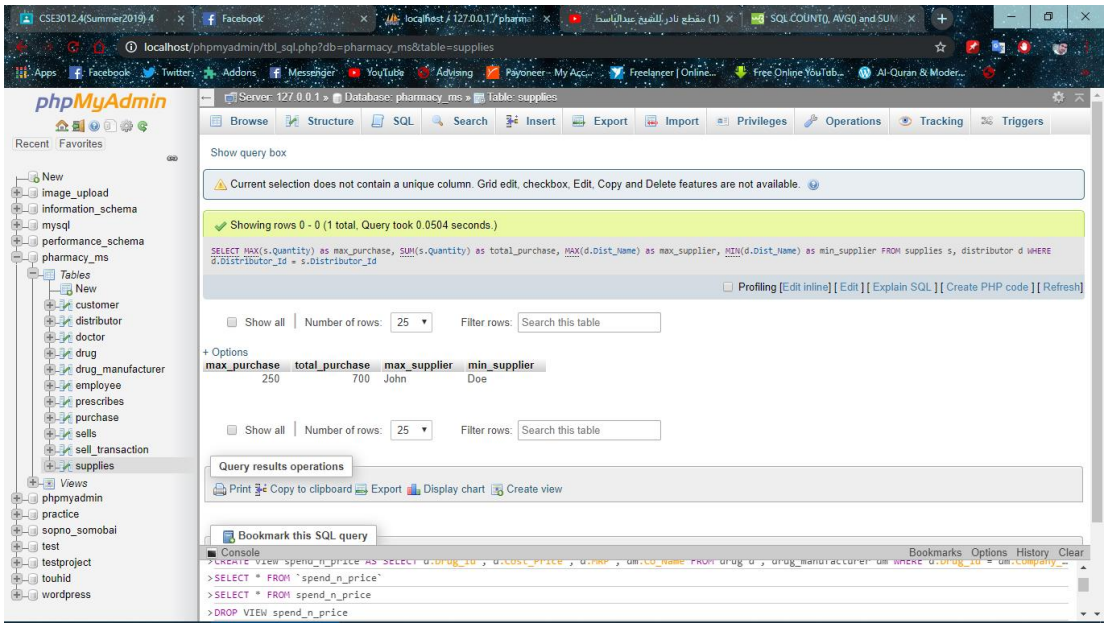


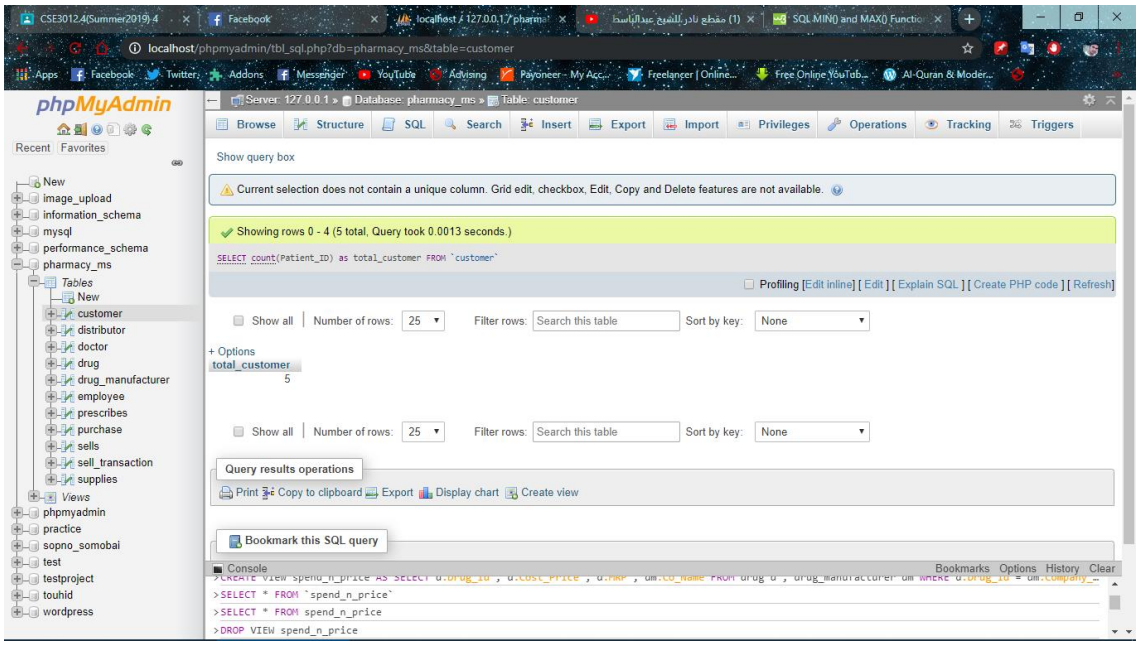


4. Group by order by

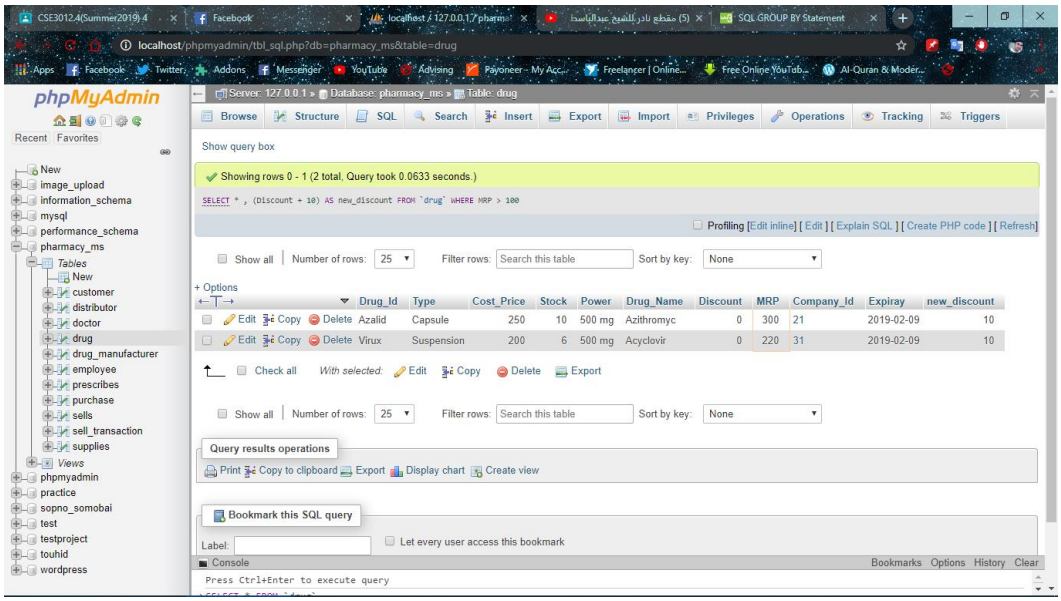


5. Max Min Sum Count

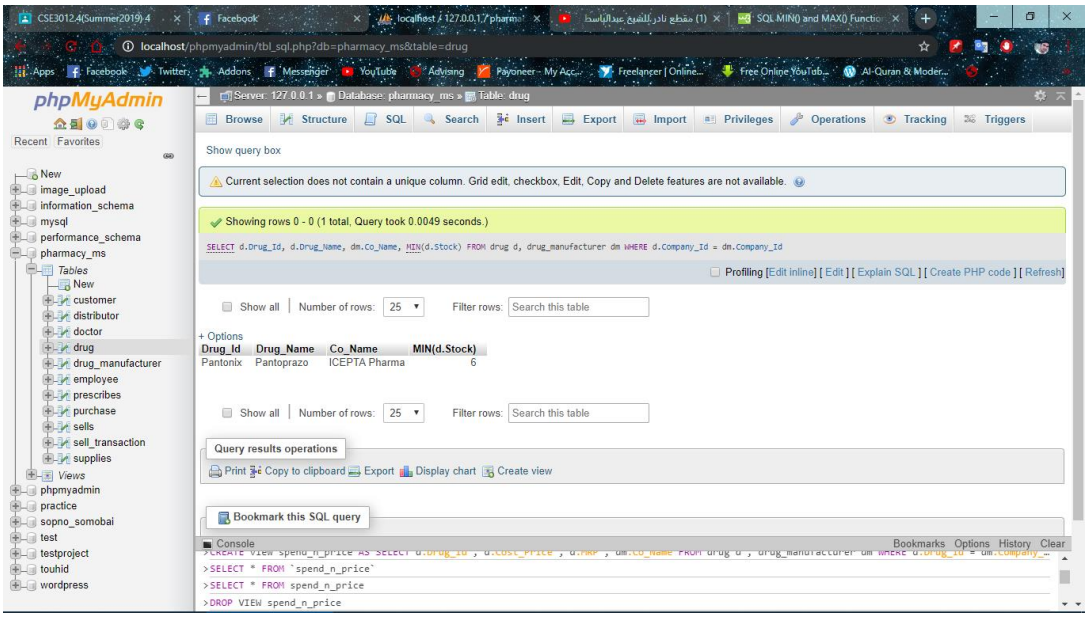




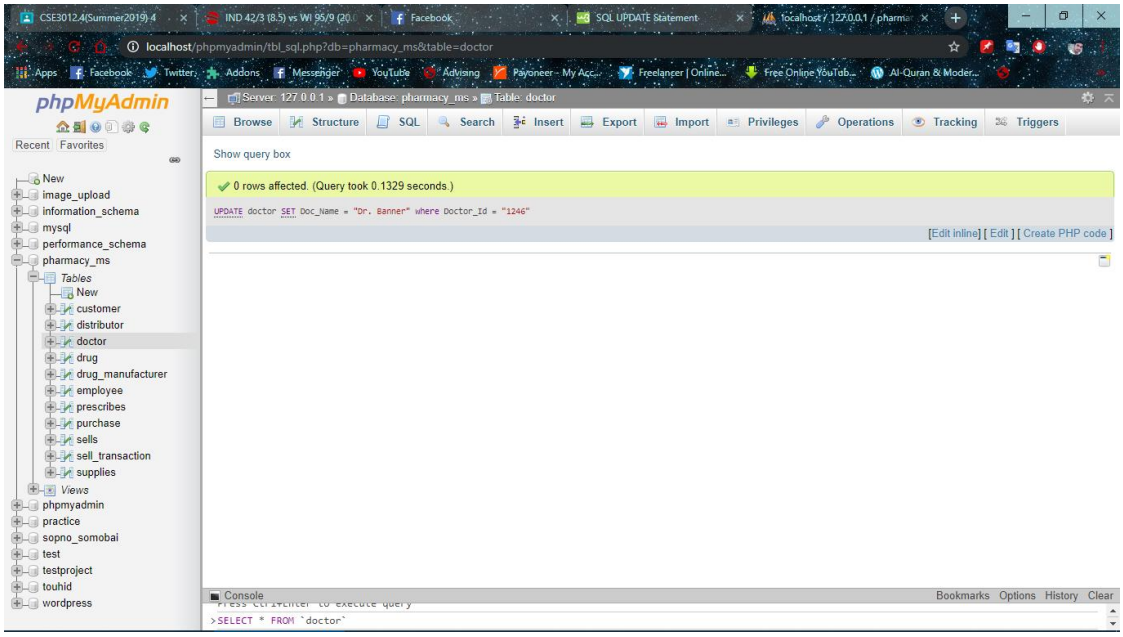
6. Mathematic operation

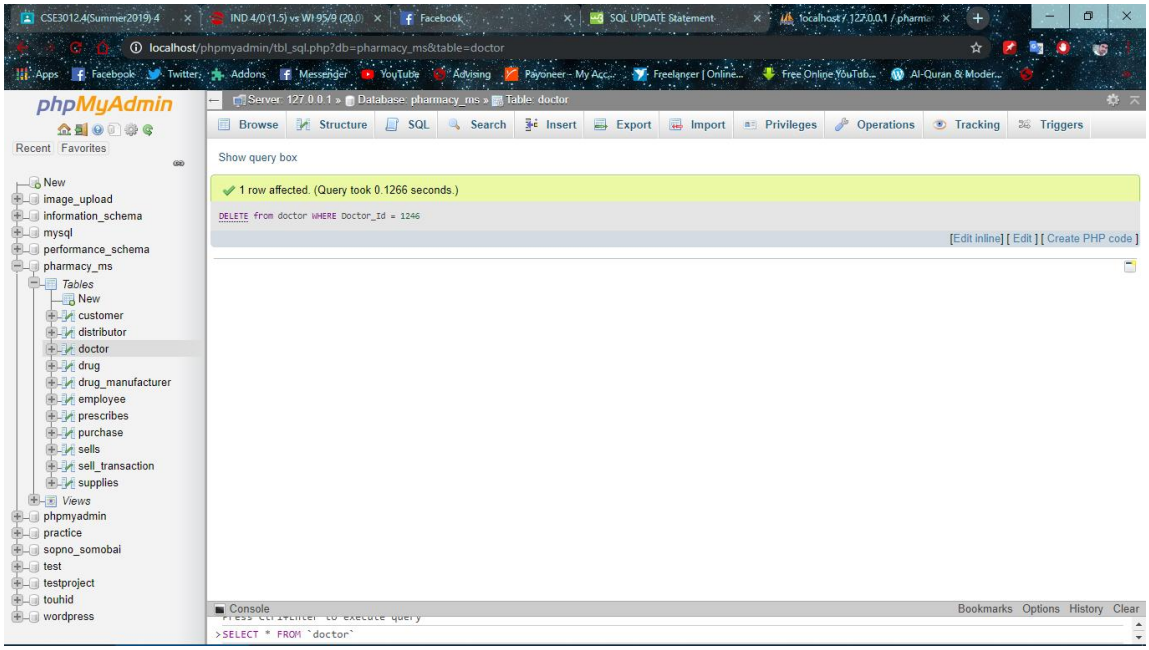


7. Joining operation

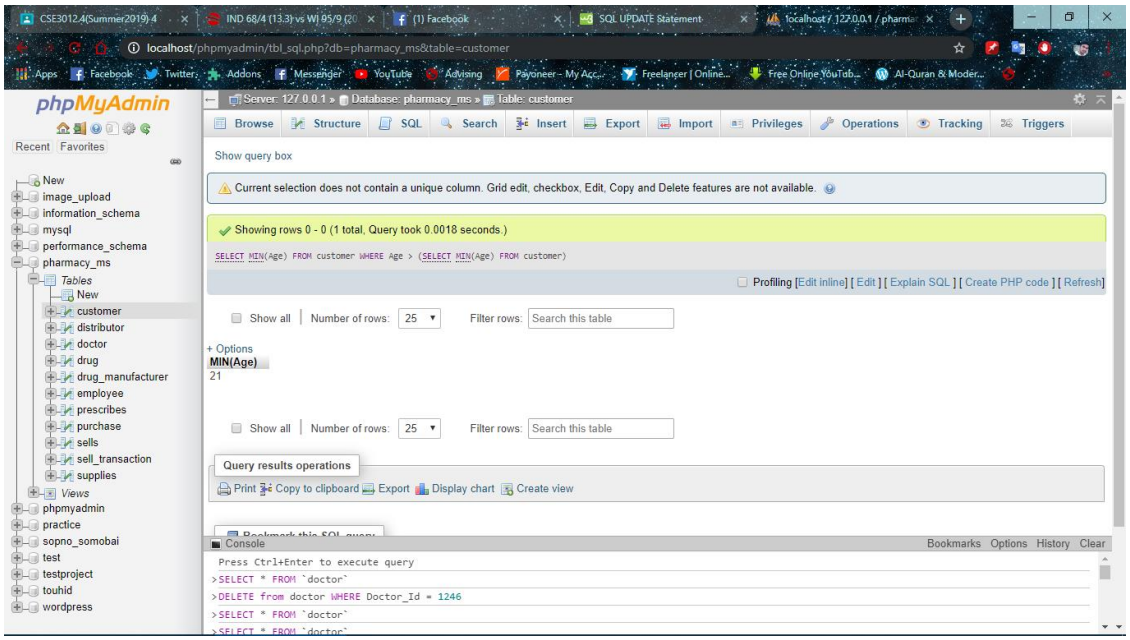


8. Update and Delete





9. Sub query


phpMyAdmin
Server: 127.0.0.1 » Database: pharmacy_ms » Table: customer
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Show query box
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Showing rows 0 - 0 (1 total, Query took 0.0018 seconds.)
SELECT MIN(Age) FROM customer WHERE Age > (SELECT MIN(Age) FROM customer)
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all
Number of rows: 25
Filter rows: Search this table
+ Options
MIN(Age)
21
Query results operations
Print
Copy to clipboard
Export
Display chart
Create view
Console
Bookmarks
Options
History
Clear
Press Ctrl+Enter to execute query
>SELECT * FROM `doctor`
>DELETE from doctor WHERE Doctor_Id = 1246
>SELECT * FROM `doctor`
New
image_upload
information_schema
mysql
performance_schema
pharmacy_ms
Tables
customer
distributor
doctor
drug
drug_manufacturer
employee
prescribes
purchase
sells
sell_transaction
supplies
Views
phpmyadmin
practice
sopno_somobai
test
testproject
touhid
wordpress