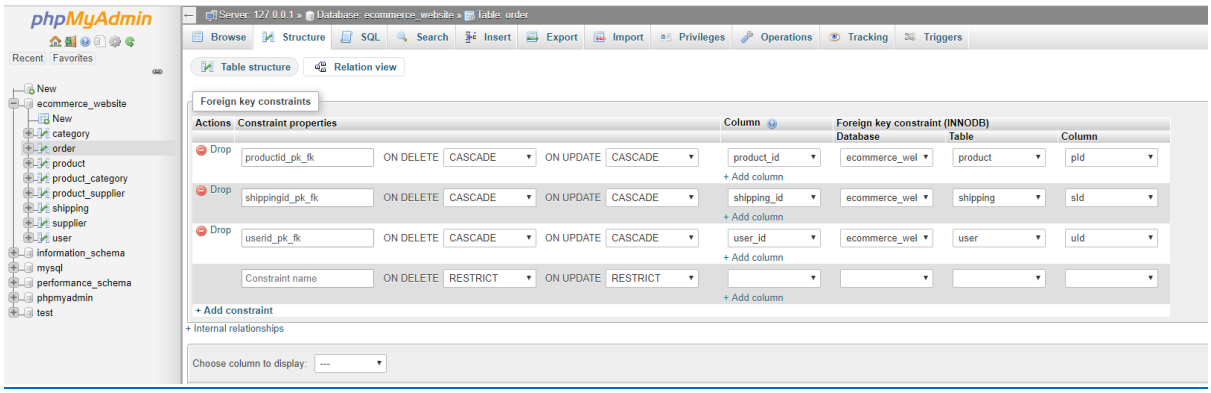
QUERY 1

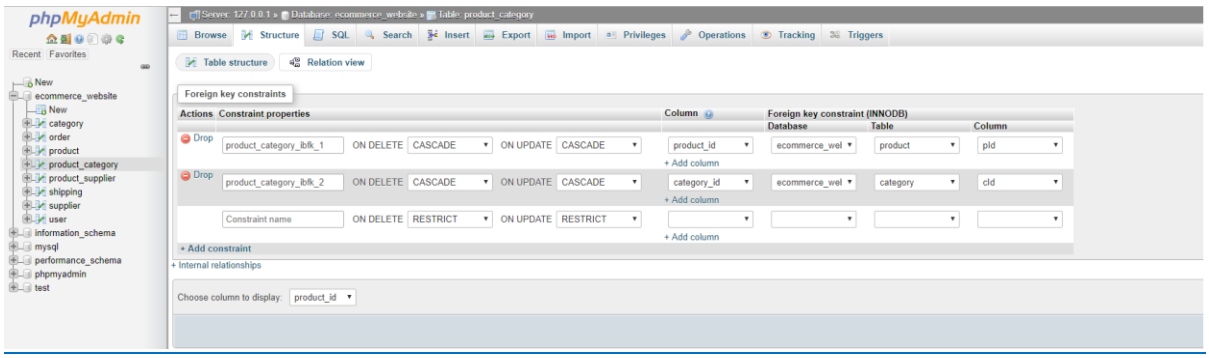
To Update the product id (`pId`) to '18' in the product table, where `pId` = '9' and then `update cascade` across the connecting tables using `inner join`. This will update the value of productid in all connecting tables e.g. product_supplier, product_category, order table

Structure of tables – Relation view (showing update cascade): We set the product id to update cascade in the 'relation view' for the following tables.

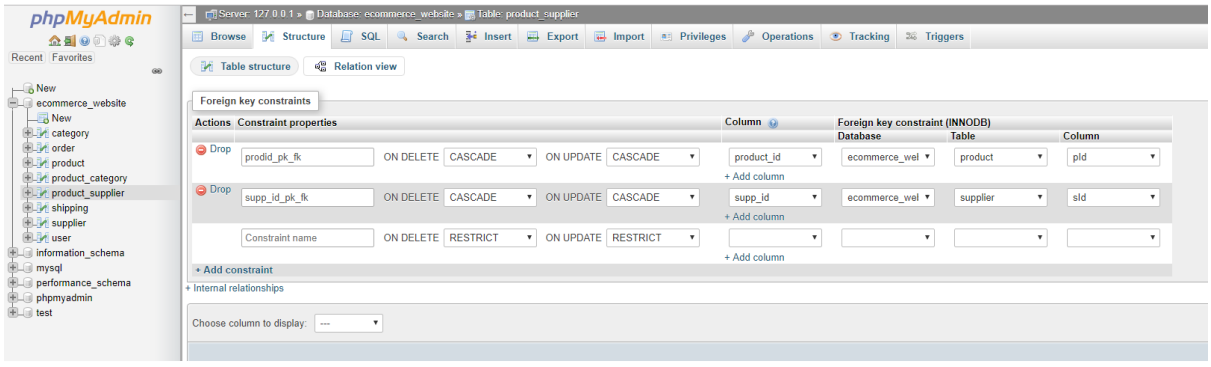
Order table:



Product_category table:

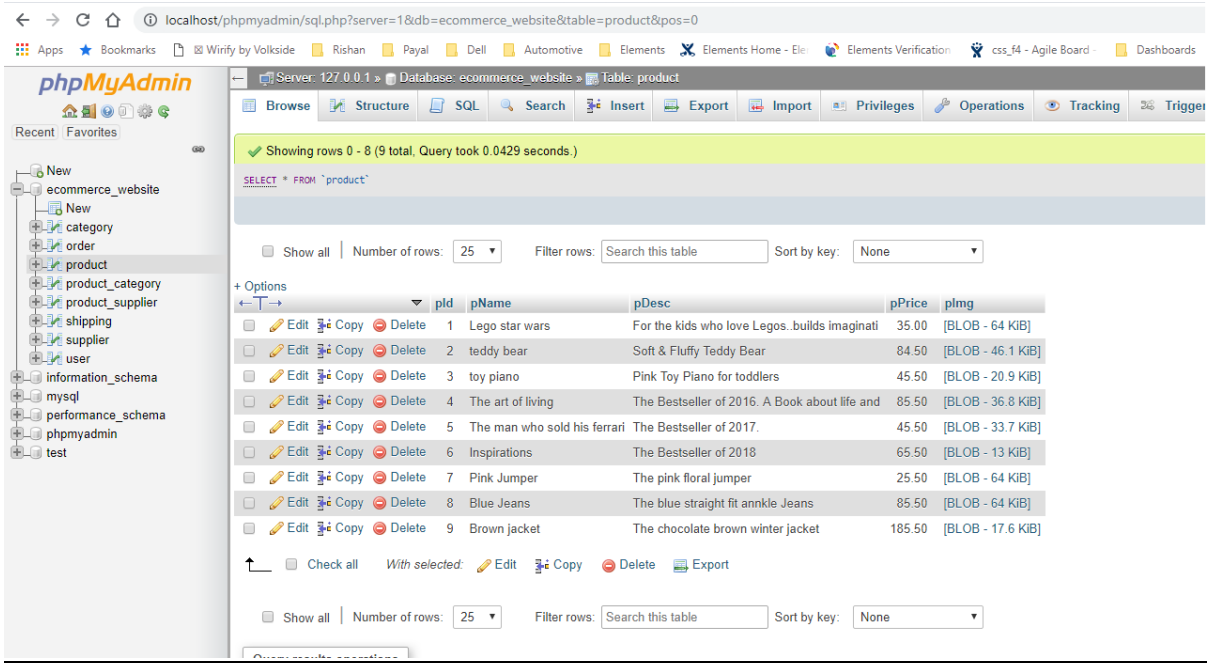


Product_supplier table:

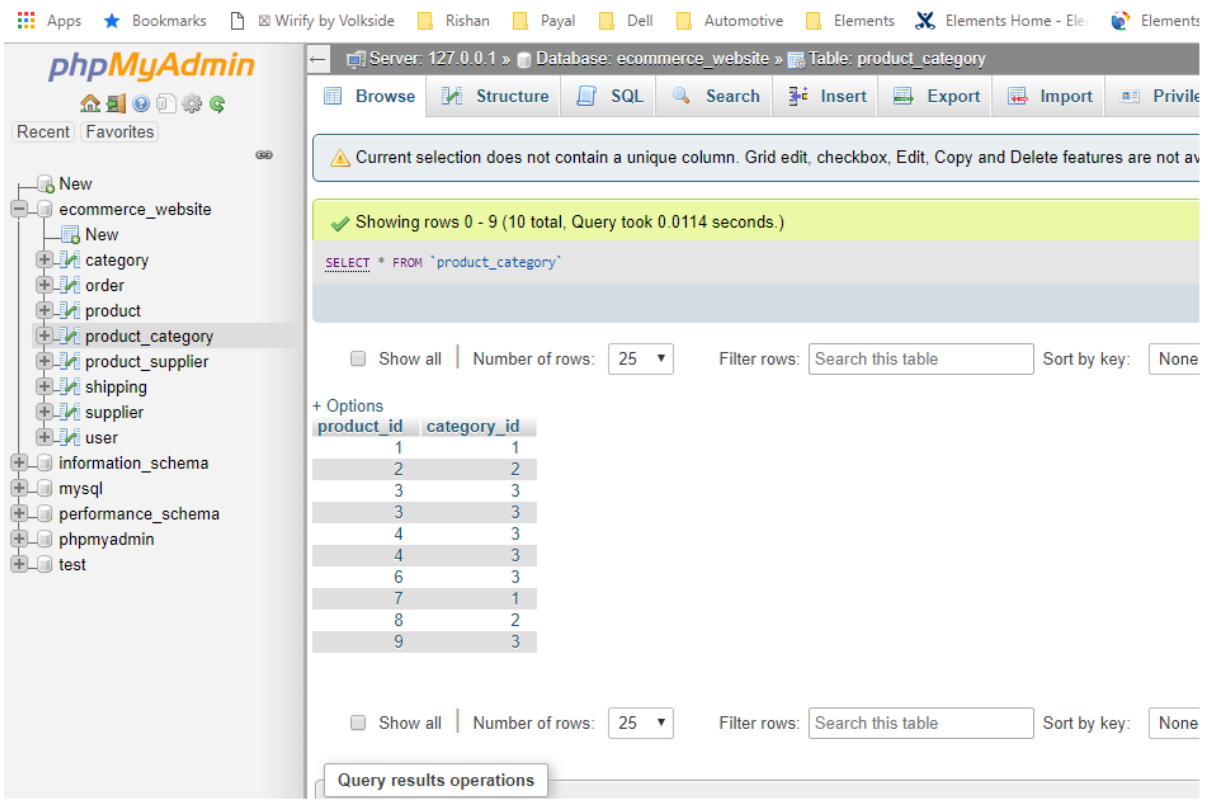


Status 'Before': The following tables showing old product ID = 9.

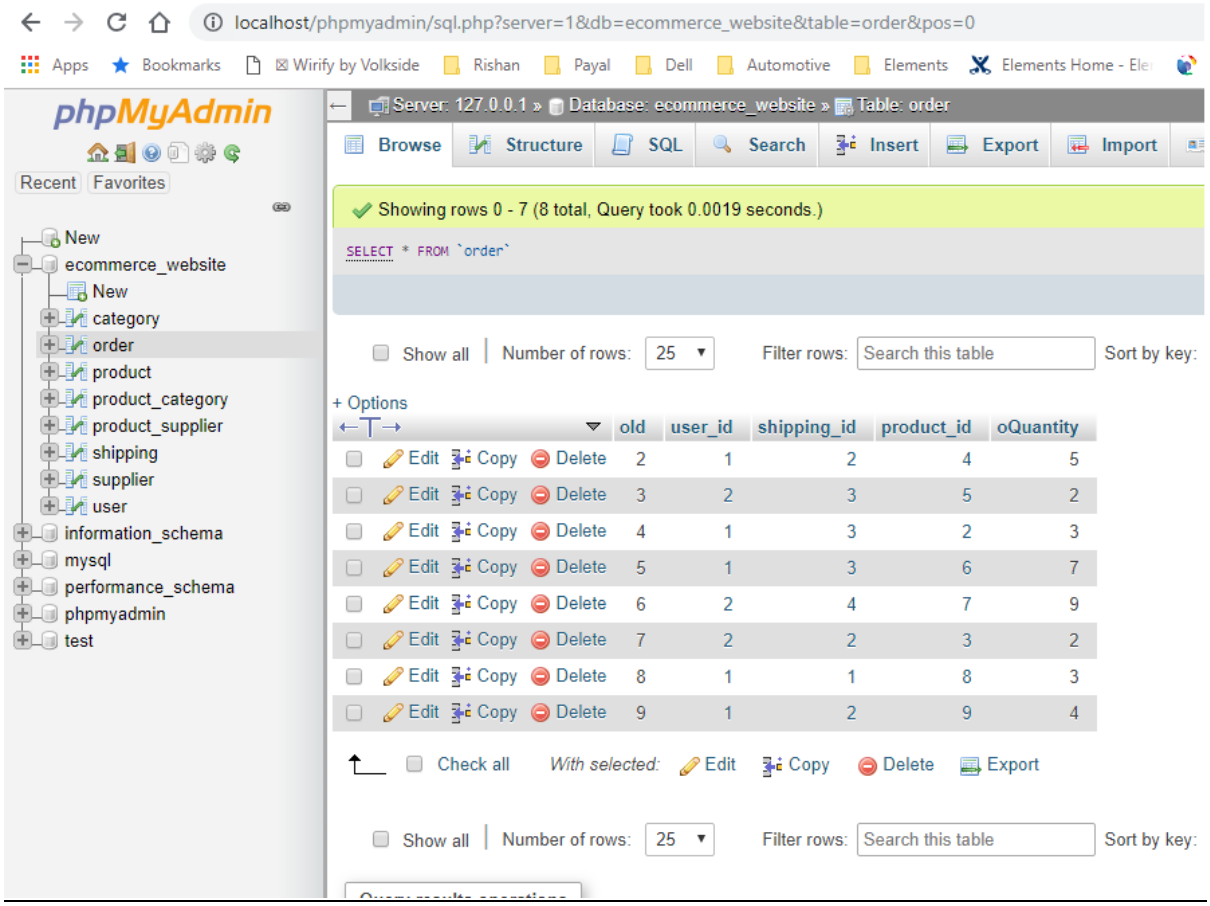
Product table:



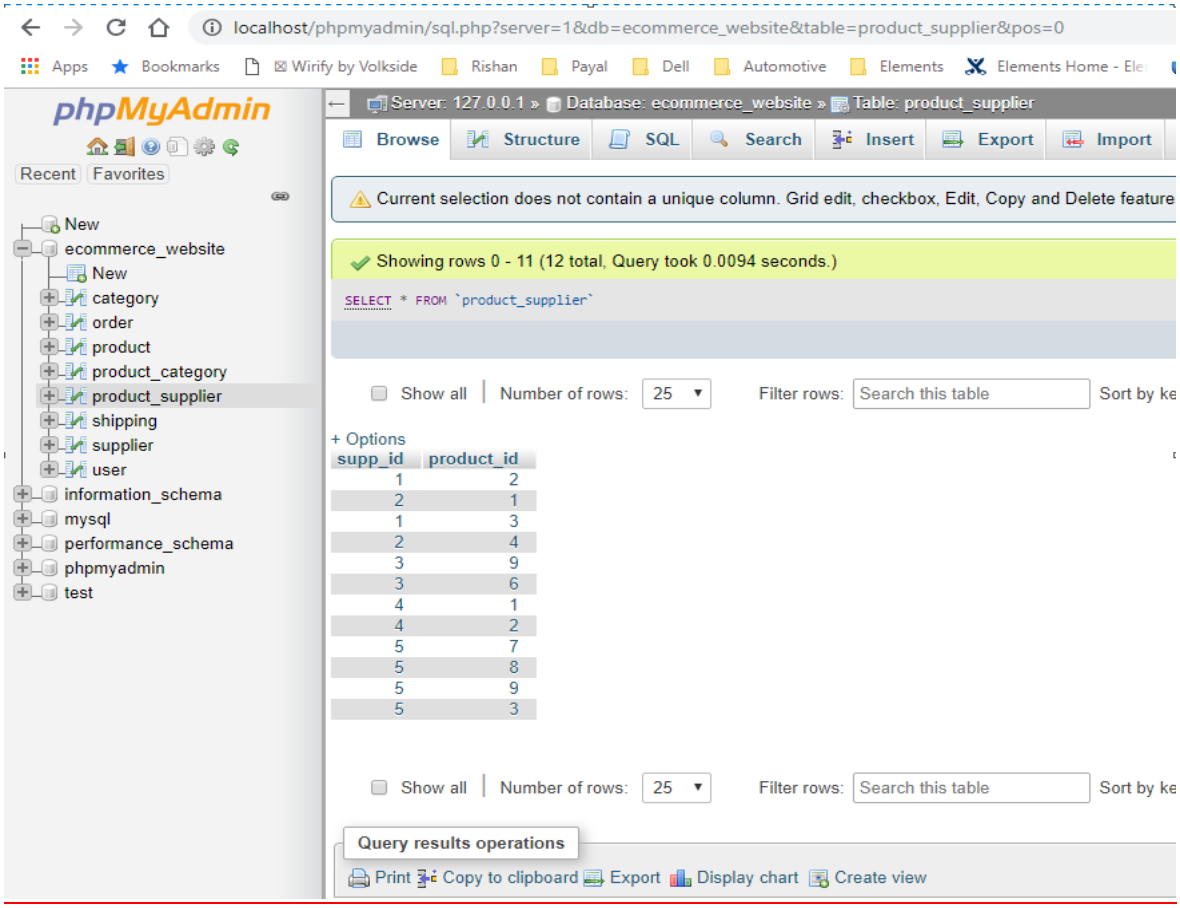
Product_category table:



Order table:


localhost/phpmyadmin/sql.php?server=1&db=ecommerce_website&table=order&pos=0
Apps
Bookmarks
Wirify by Volkside
Rishan
Payal
Dell
Automotive
Elements
Elements Home - Ele
phpMyAdmin
Recent
Favorites
New
ecommerce_website
New
category
order
product
product_category
product_supplier
shipping
supplier
user
information_schema
mysql
performance_schema
phpmyadmin
test
Server: 127.0.0.1 » Database: ecommerce_website » Table: order
Browse
Structure
SQL
Search
Insert
Export
Import
Showing rows 0 - 7 (8 total, Query took 0.0019 seconds.)
SELECT * FROM `order`
Show all
Number of rows: 25
Filter rows: Search this table
Sort by key:
+ Options
old
user_id
shipping_id
product_id
oQuantity
Edit Copy Delete 2 1 2 4 5
Edit Copy Delete 3 2 3 5 2
Edit Copy Delete 4 1 3 2 3
Edit Copy Delete 5 1 3 6 7
Edit Copy Delete 6 2 4 7 9
Edit Copy Delete 7 2 2 3 2
Edit Copy Delete 8 1 1 8 3
Edit Copy Delete 9 1 2 9 4
Check all
With selected:
Edit
Copy
Delete
Export
Show all
Number of rows: 25
Filter rows: Search this table
Sort by key:

Product_supplier table:

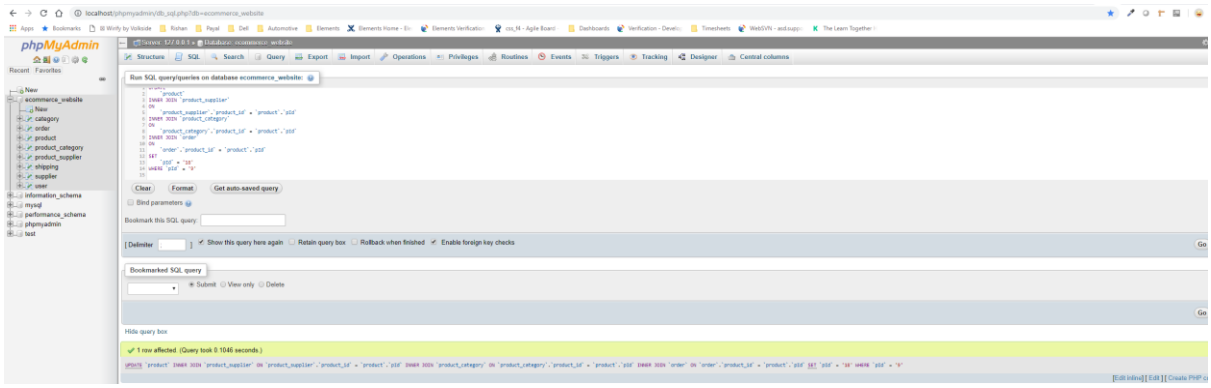


The Query:

```
UPDATE
   `product`
INNER JOIN `product_supplier`
ON
   `product_supplier`.`product_id` = `product`.`pId`
INNER JOIN `product_category`
ON
   `product_category`.`product_id` = `product`.`pId`
INNER JOIN `order`
ON
   `order`.`product_id` = `product`.`pId`
SET
   `pId` = '18'
```

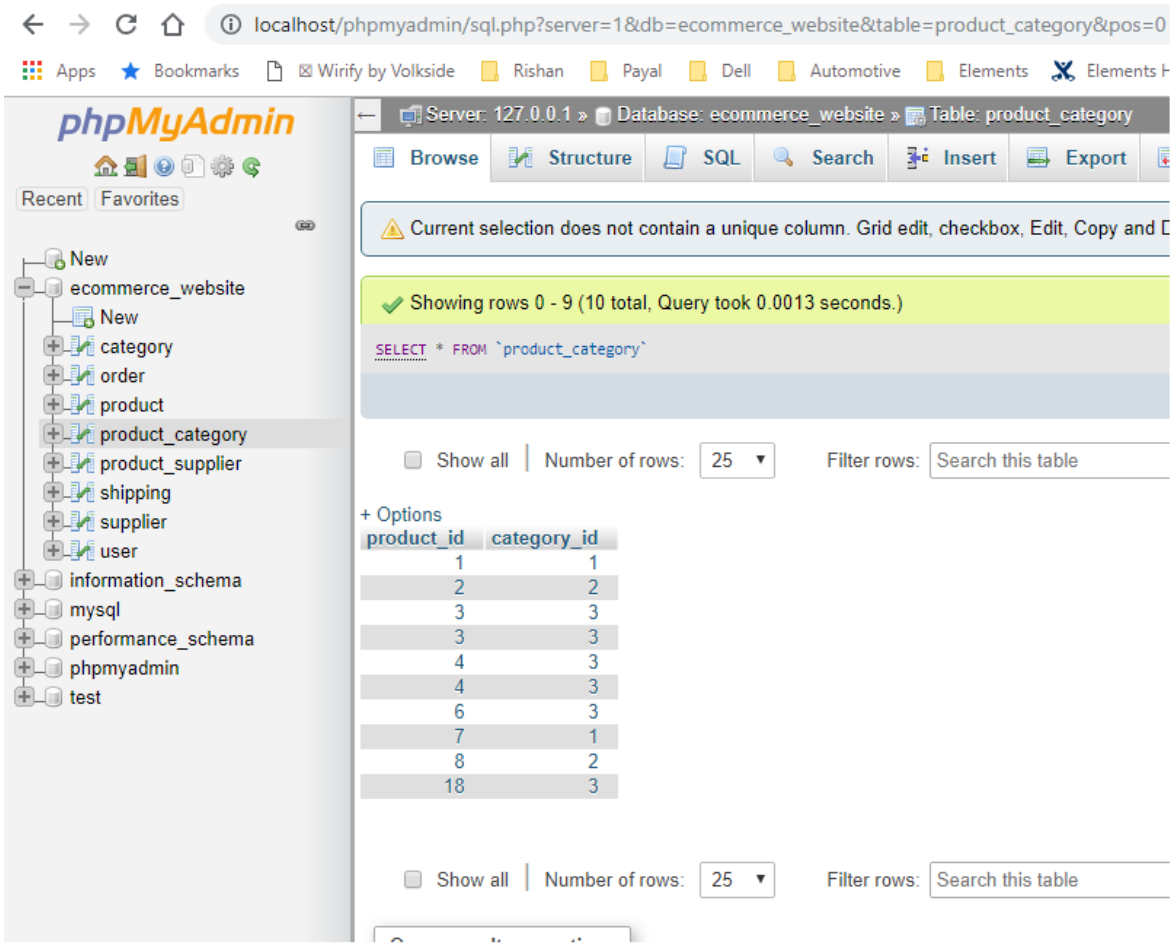
WHERE `pId` = '9'

Executing the query:

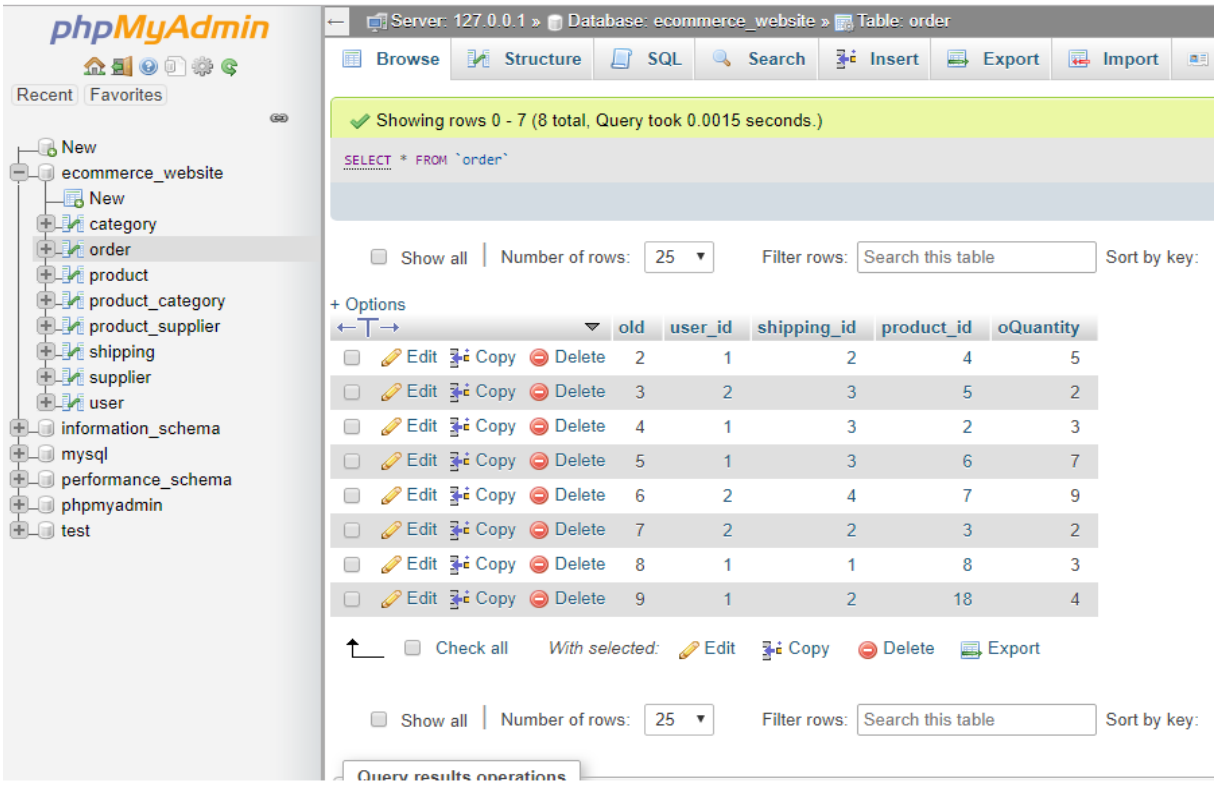


Status 'After': The following tables showing product ID which has been changed from 9 to 18.

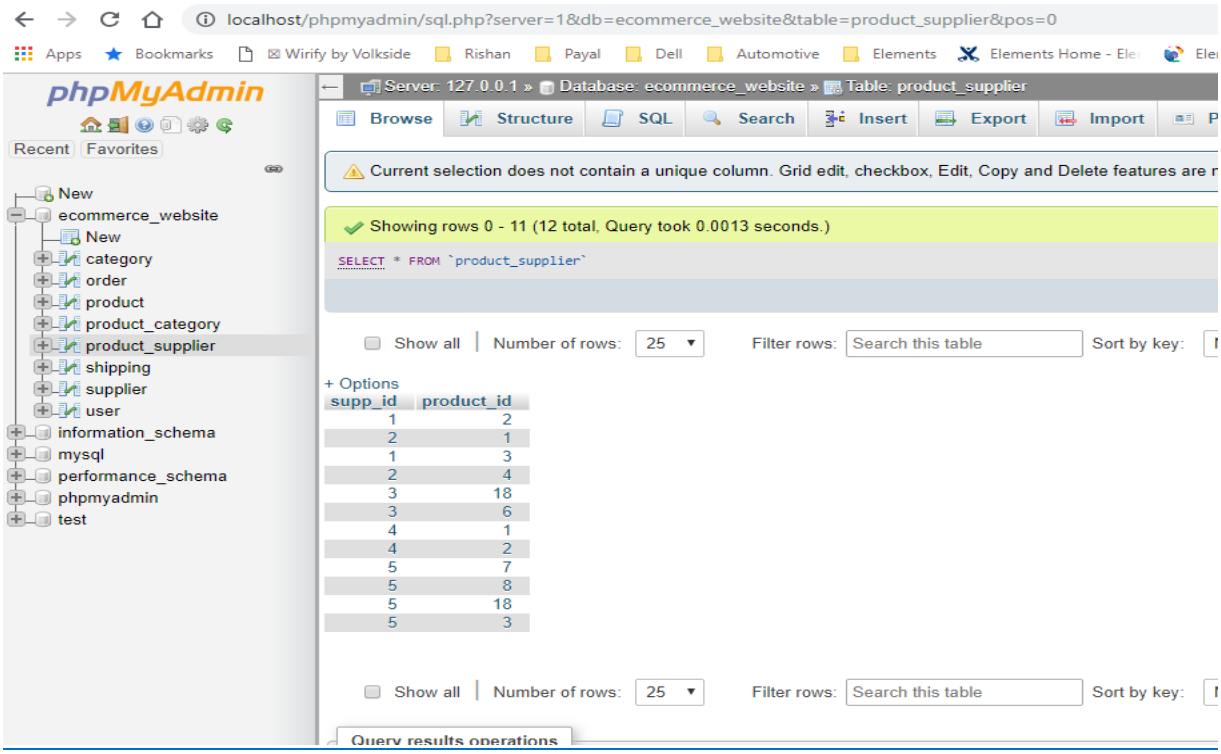
Product_category table:



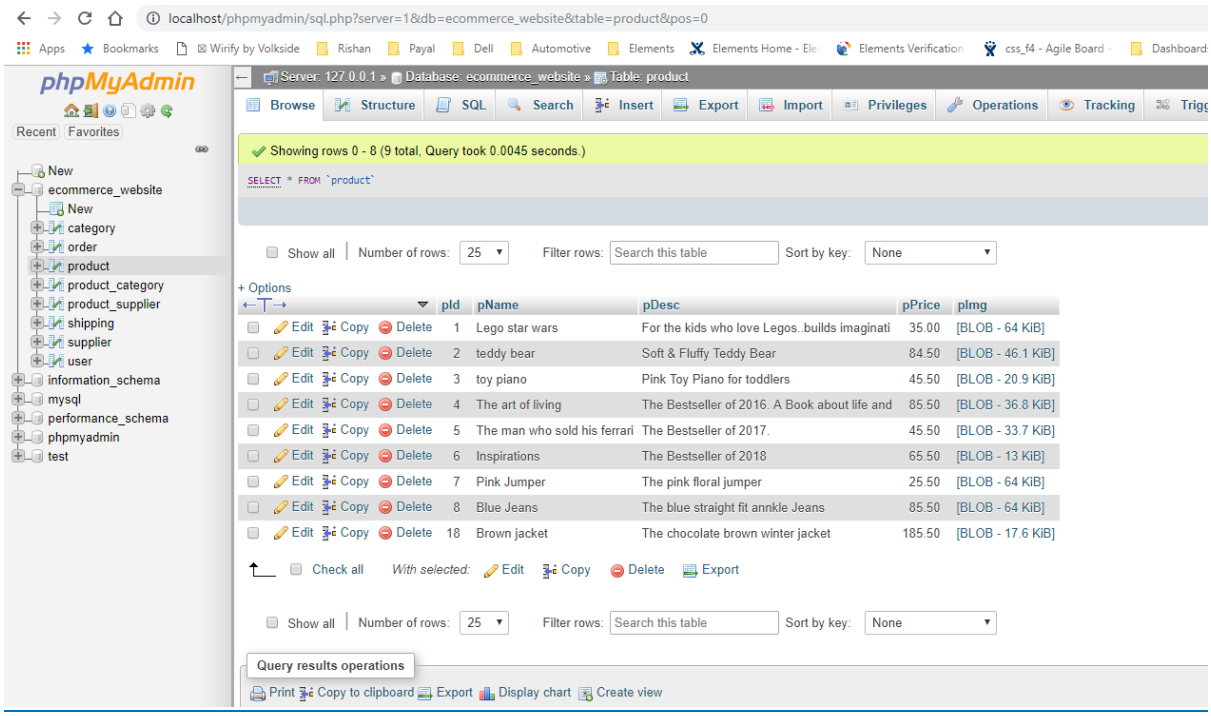
Order table:



Product_supplier table:



Product table:

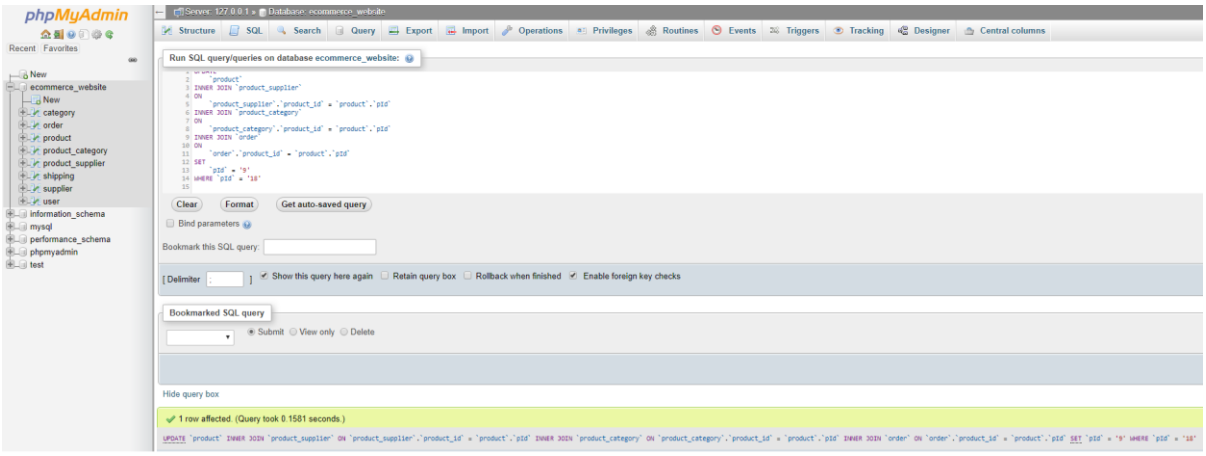


Un-doing the Update Query:

QUERY:

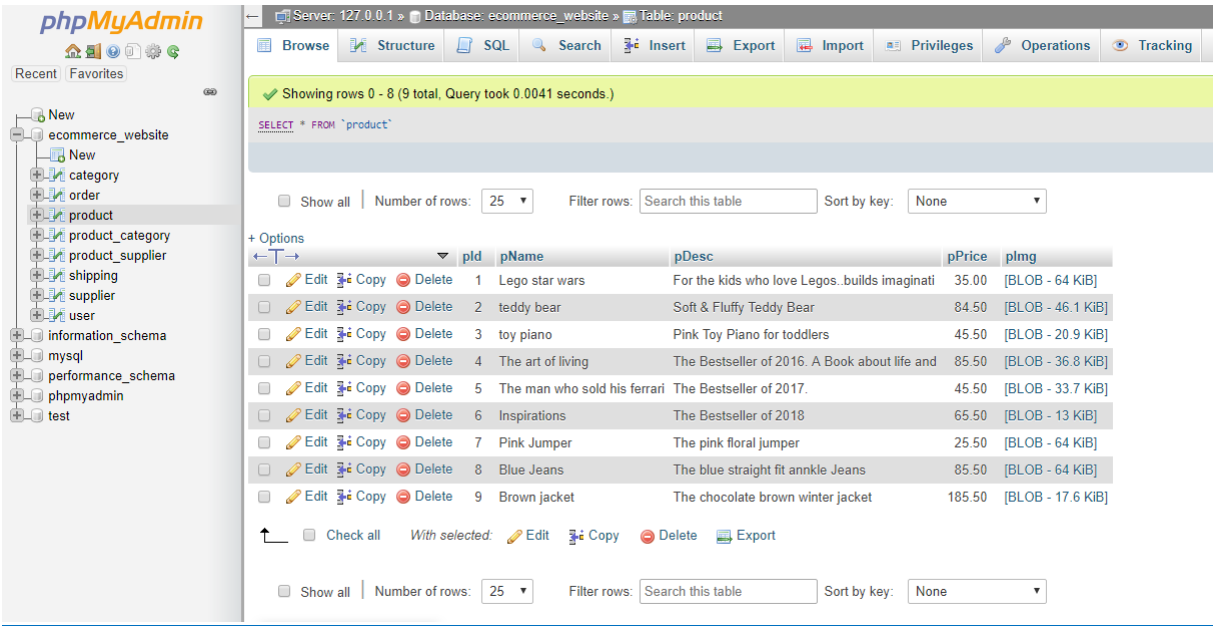
```
UPDATE
   `product`
INNER JOIN `product_supplier`
ON
   `product_supplier`.`product_id` = `product`.`pId`
INNER JOIN `product_category`
ON
   `product_category`.`product_id` = `product`.`pId`
INNER JOIN `order`
ON
   `order`.`product_id` = `product`.`pId`
SET
   `pId` = '9'
WHERE `pId` = '18'
```

Executing the Query:

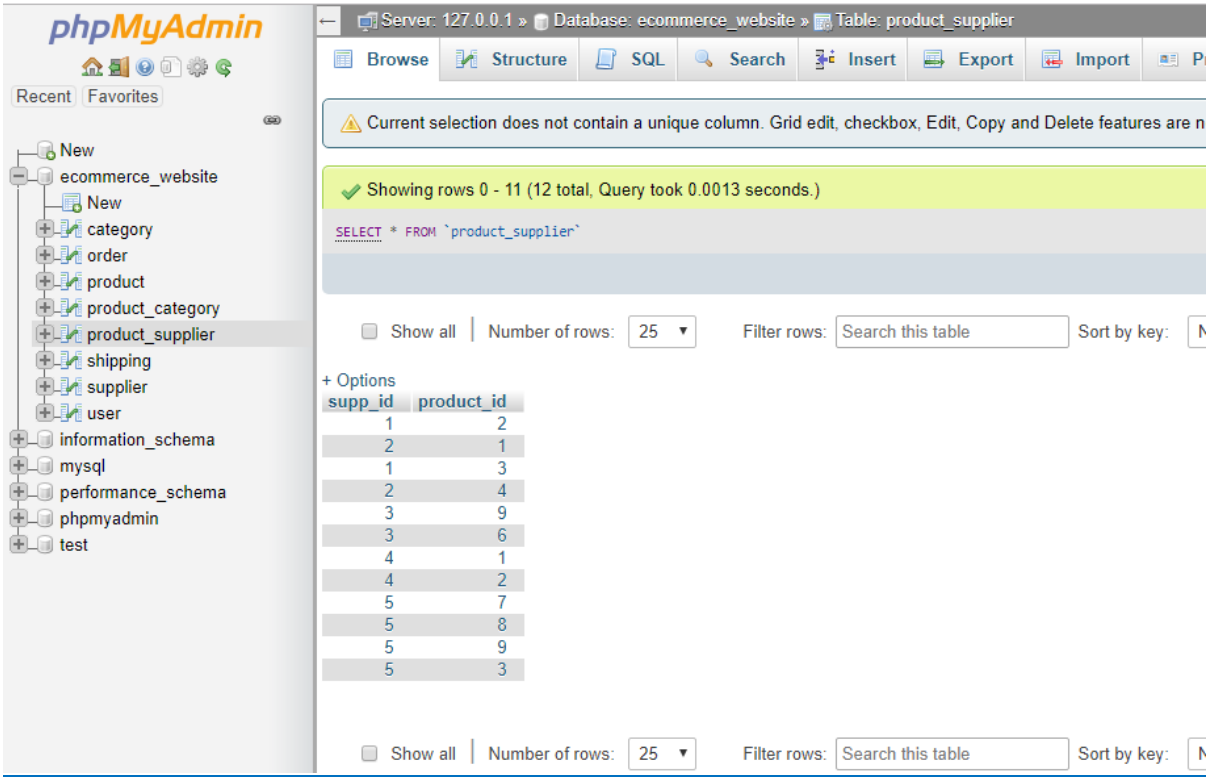


Status 'Now':

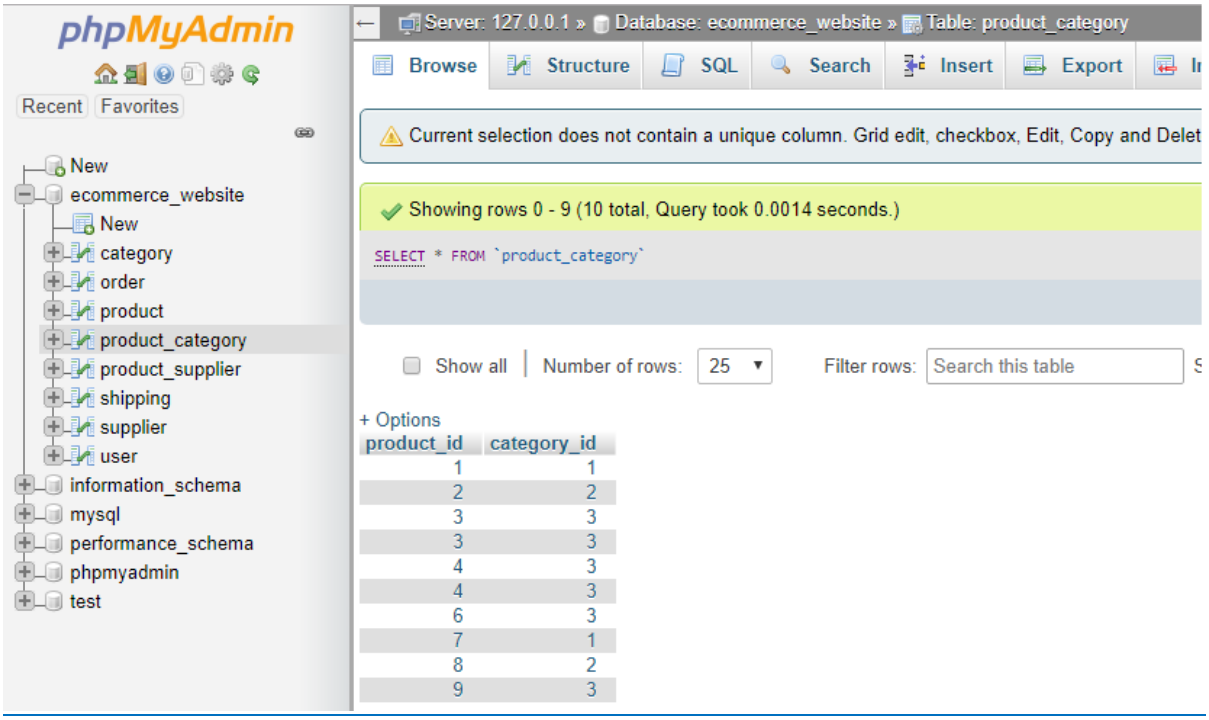
Product table:



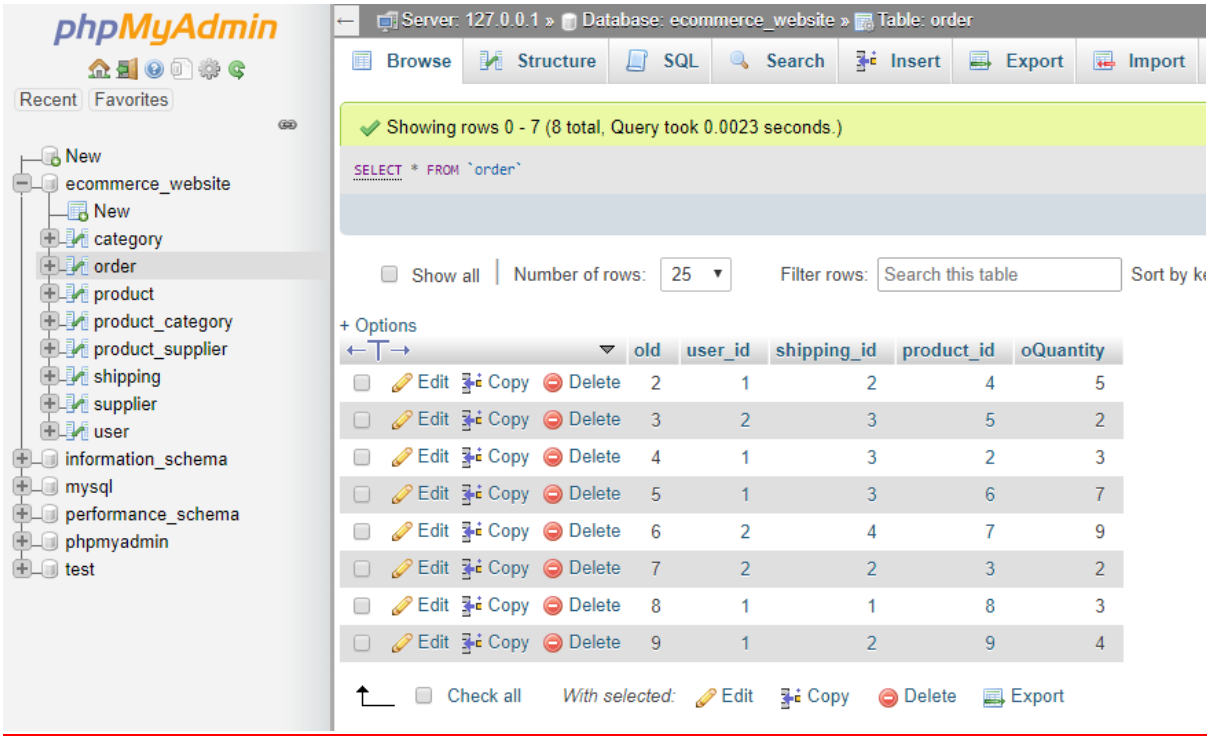
Product_supplier table:



Product_category table:



Order table:

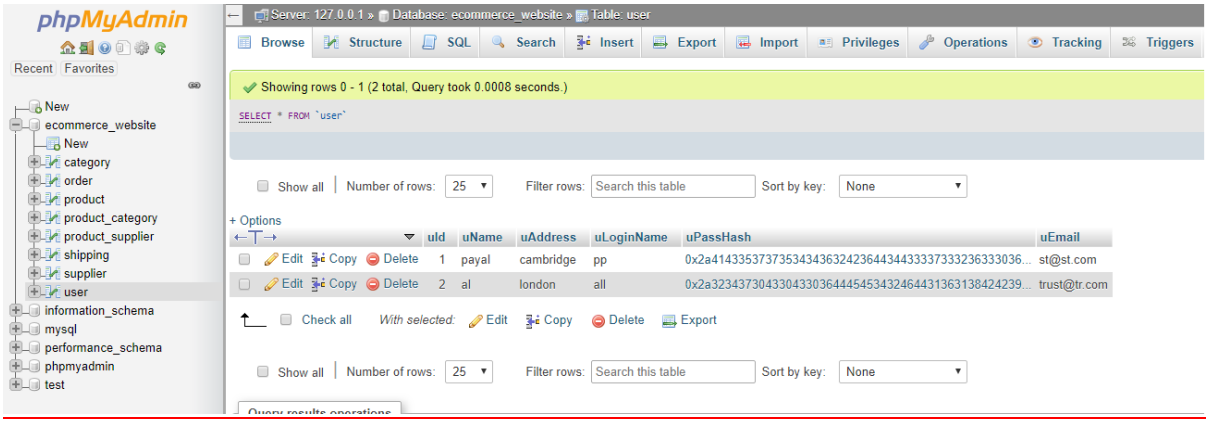

phpMyAdmin
Recent
Favorites
New
ecommerce_website
New
category
order
product
product_category
product_supplier
shipping
supplier
user
information_schema
mysql
performance_schema
phpmyadmin
test
Server: 127.0.0.1 » Database: ecommerce_website » Table: order
Browse
Structure
SQL
Search
Insert
Export
Import
Showing rows 0 - 7 (8 total, Query took 0.0023 seconds.)
SELECT * FROM `order`
Show all
Number of rows: 25
Filter rows: Search this table
Sort by k
+ Options
old
user_id
shipping_id
product_id
oQuantity
Edit Copy Delete 2 1 2 4 5
Edit Copy Delete 3 2 3 5 2
Edit Copy Delete 4 1 3 2 3
Edit Copy Delete 5 1 3 6 7
Edit Copy Delete 6 2 4 7 9
Edit Copy Delete 7 2 2 3 2
Edit Copy Delete 8 1 1 8 3
Edit Copy Delete 9 1 2 9 4
Check all
With selected:
Edit
Copy
Delete
Export

QUERY 2

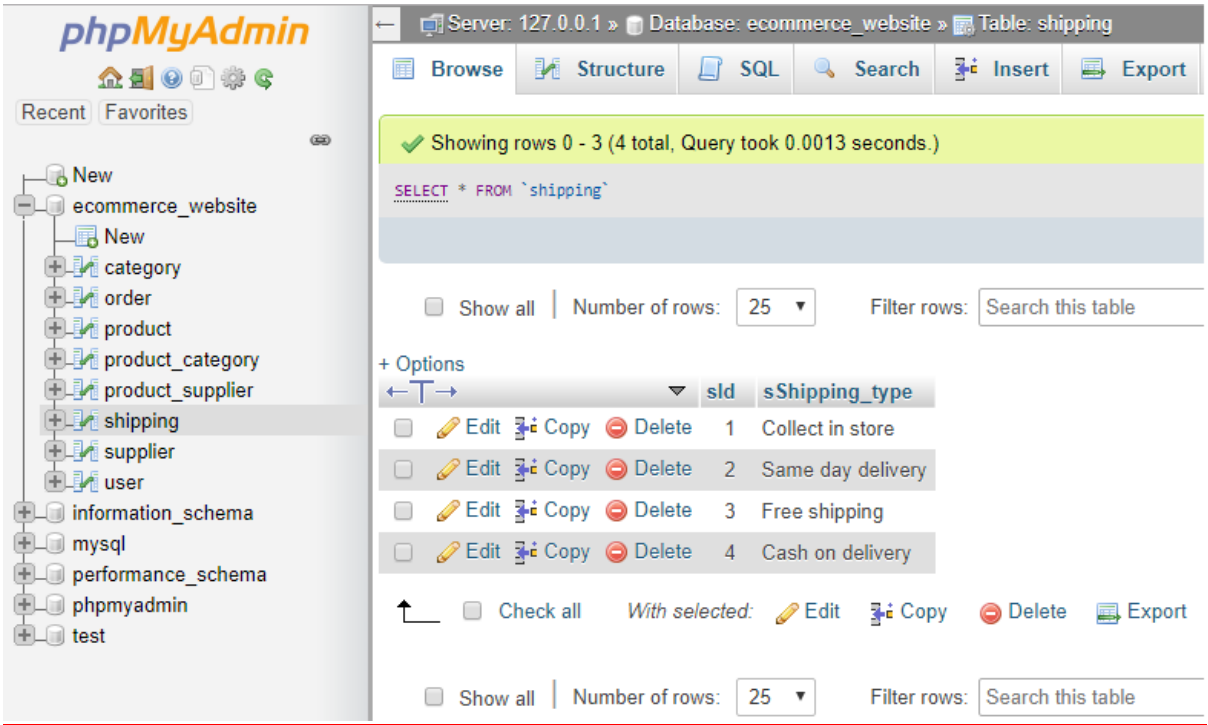
To display the username, user's chosen shipping type and product name with order id = 2. Using inner join, to get the value of username from user table, shipping type from shipping table and product name from product table.

The tables: Following tables showing the data stored.

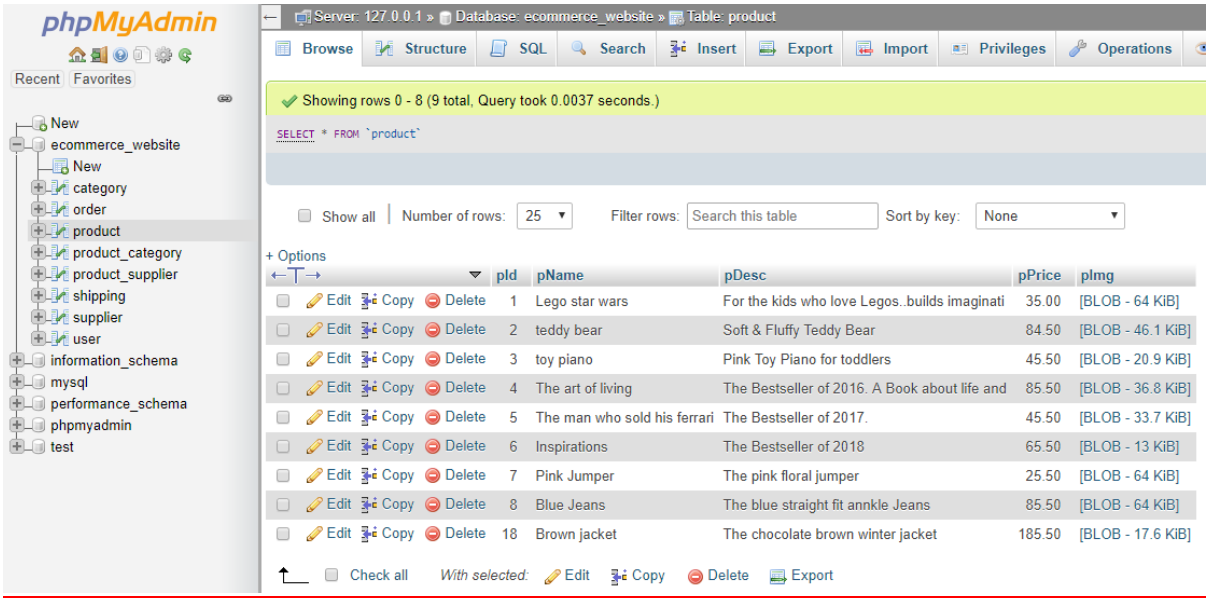
User table:



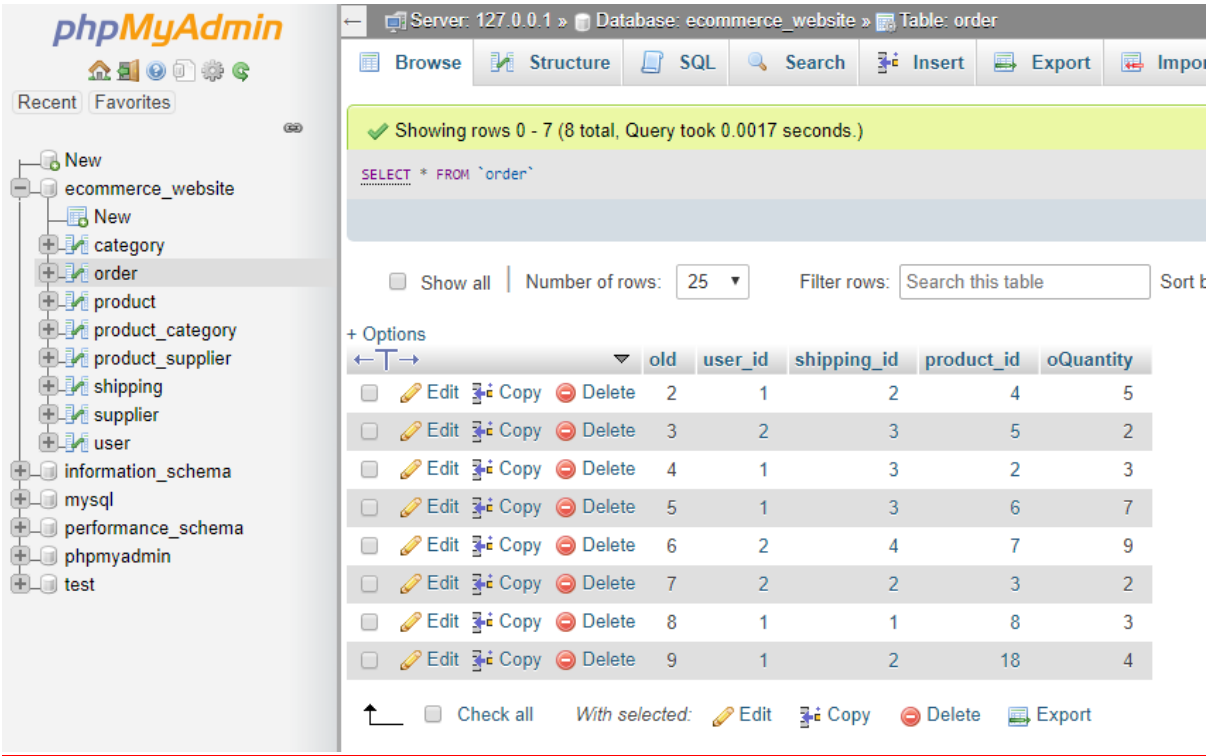
Shipping table:



Product table:

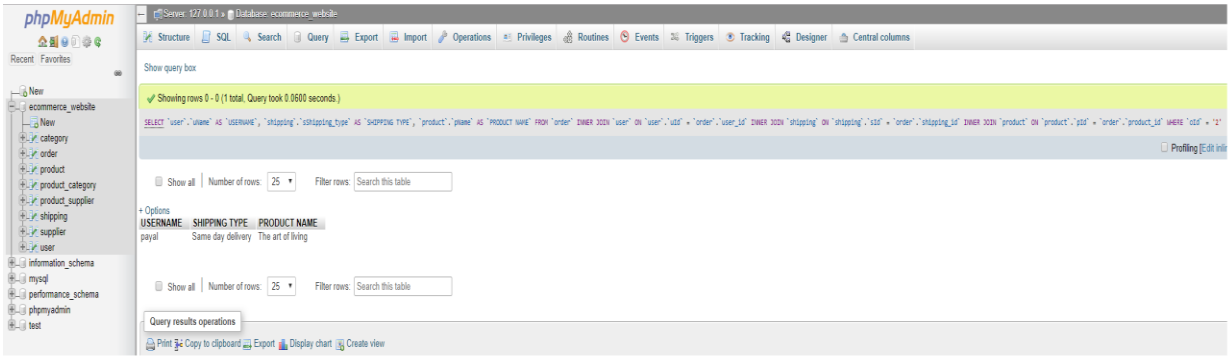


Order table:



The Query :

```
SELECT
    `user`.`uName` AS `USERNAME`,
    `shipping`.`sShipping_type` AS `SHIPPING TYPE`,
    `product`.`pName` AS `PRODUCT NAME`
```

```
FROM
    `order`
INNER JOIN `user`
ON
    `user`.`uId` = `order`.`user_id`
INNER JOIN `shipping`
ON
    `shipping`.`sId` = `order`.`shipping_id`
INNER JOIN `product`
ON
    `product`.`pId` = `order`.`product_id`
WHERE `oId` = '2'
```

Executing the query: This displays the username, shipping type and the product name.