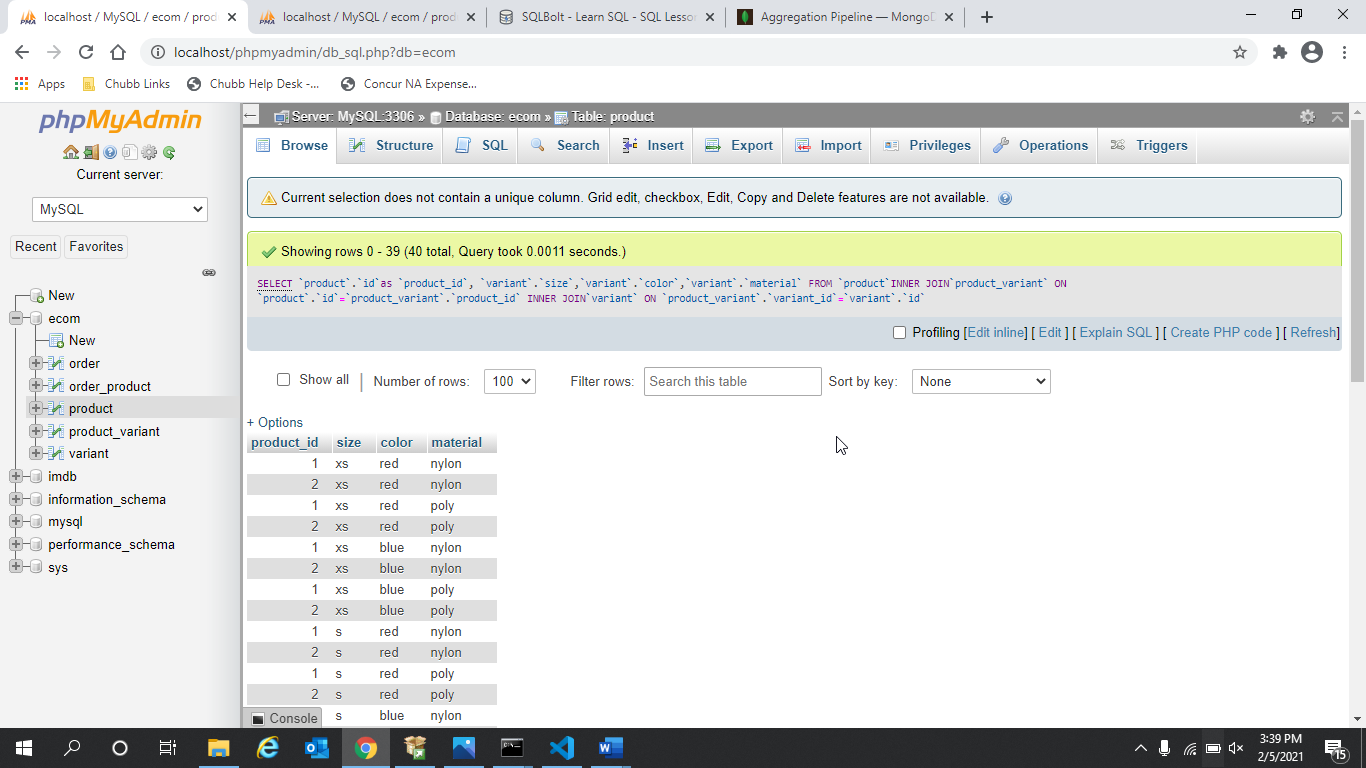
## Task 4

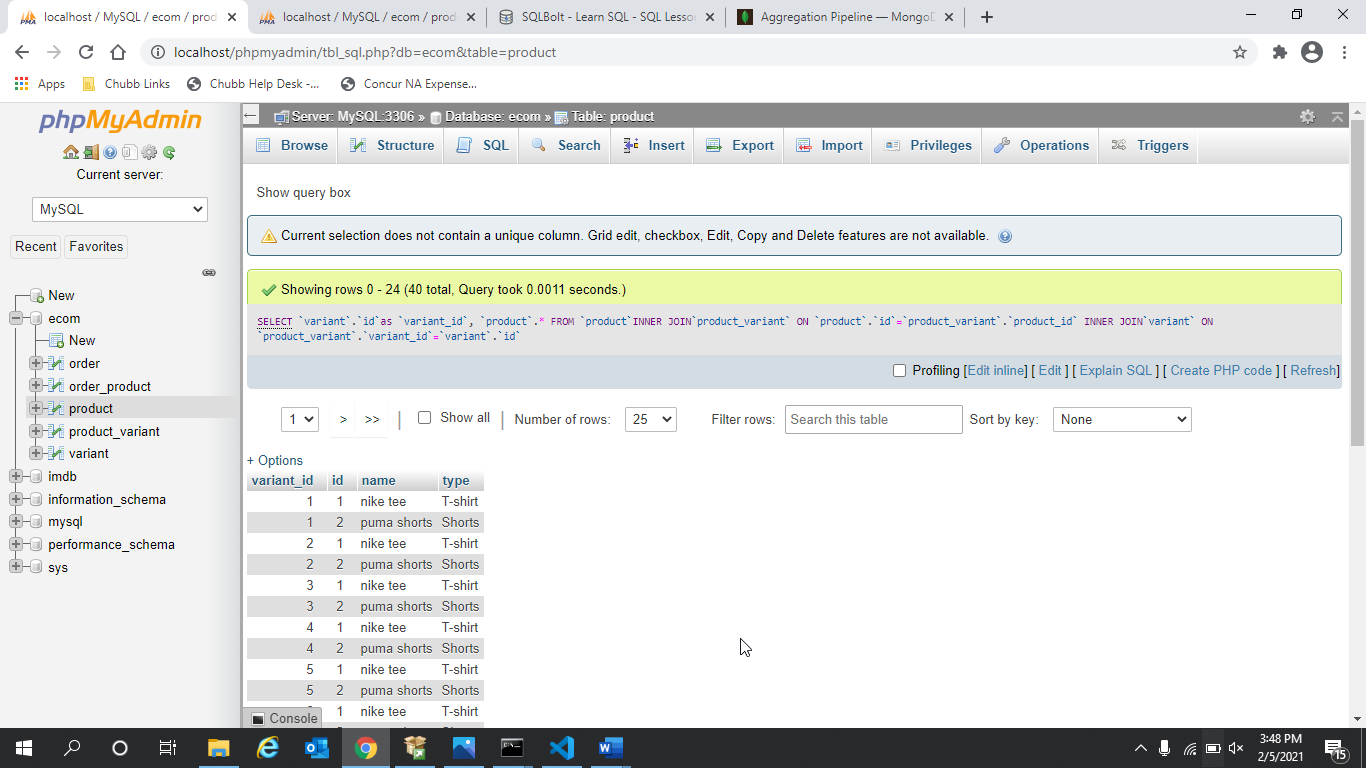
1.All variants by product id

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) `product`.`id`as `product\_id`, `variant`.`size`,`variant`.`color`,`variant`.`material` FROM `product`INNER JOIN`product\_variant` ON `product`.`id`=`product\_variant`.`product\_id` INNER JOIN`variant` ON `product\_variant`.`variant\_id`=`variant`.`id`



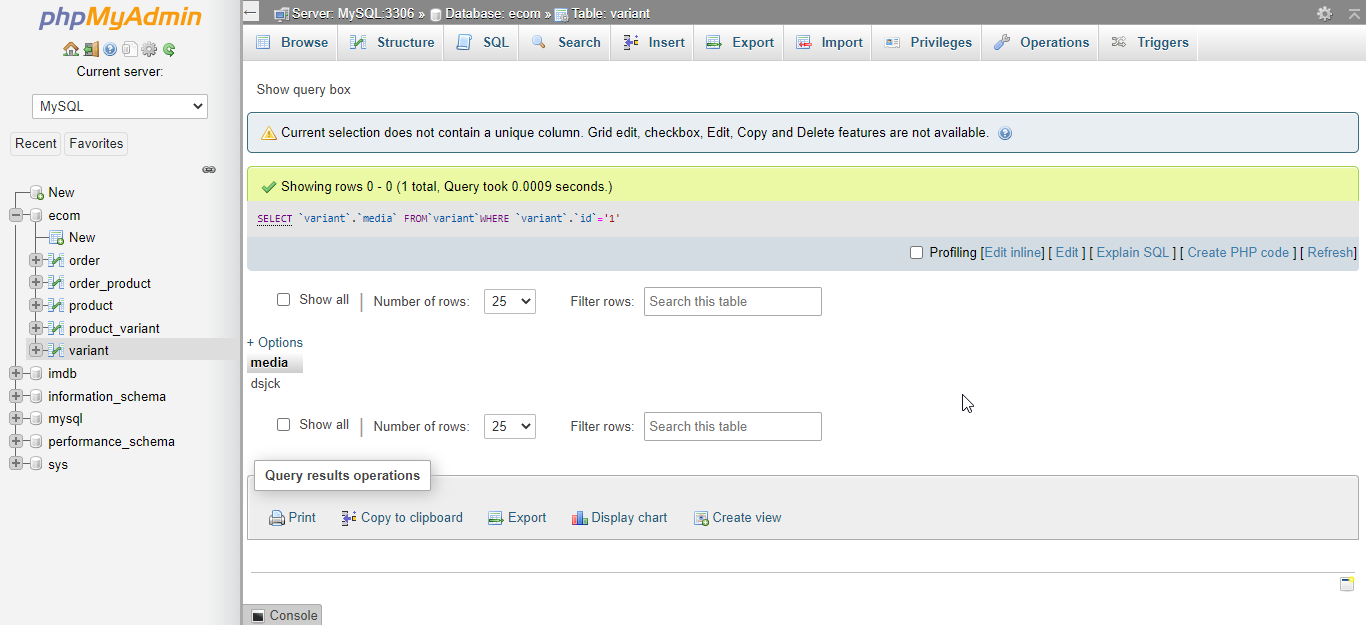
2.Product details by variant id

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) `variant`.`id`as `variant\_id`, `product`.\* FROM `product`INNER JOIN`product\_variant` ON `product`.`id`=`product\_variant`.`product\_id` INNER JOIN`variant` ON `product\_variant`.`variant\_id`=`variant`.`id`



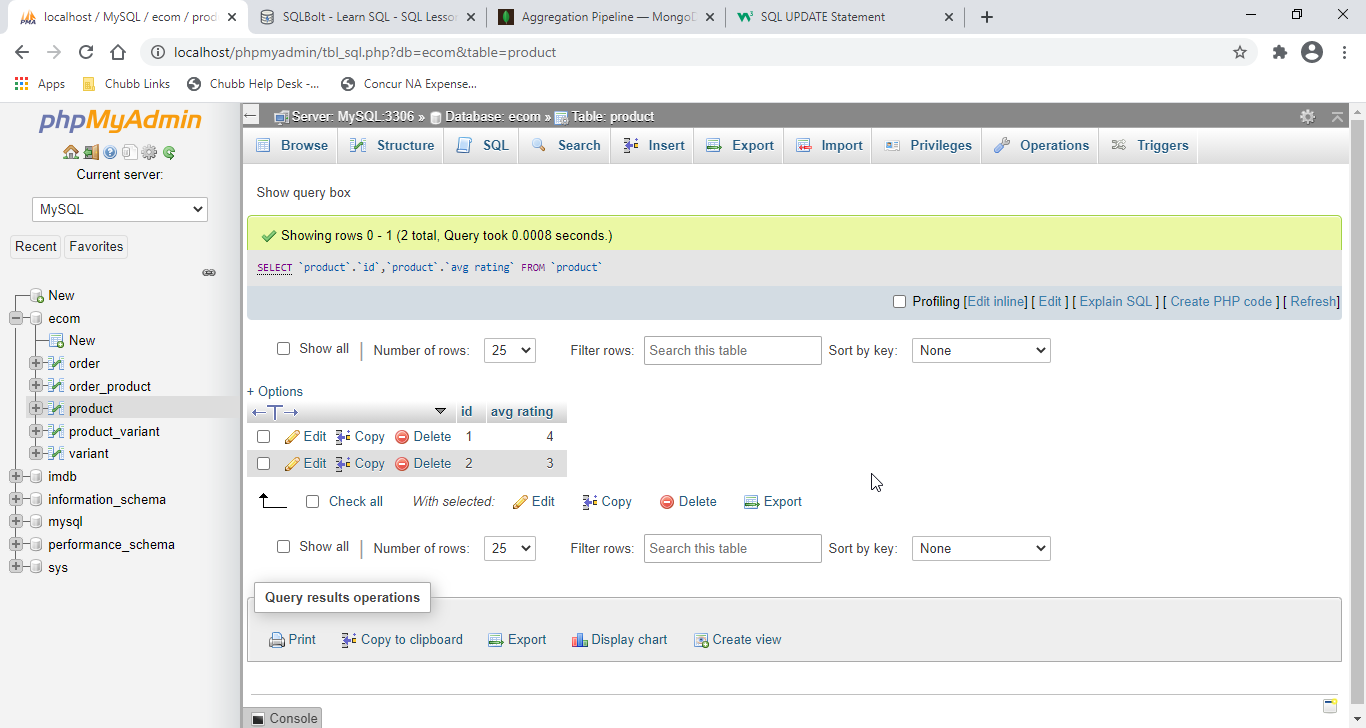
4. media of a variant

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) `variant`.`media` FROM`variant`WHERE `variant`.`id`='1'



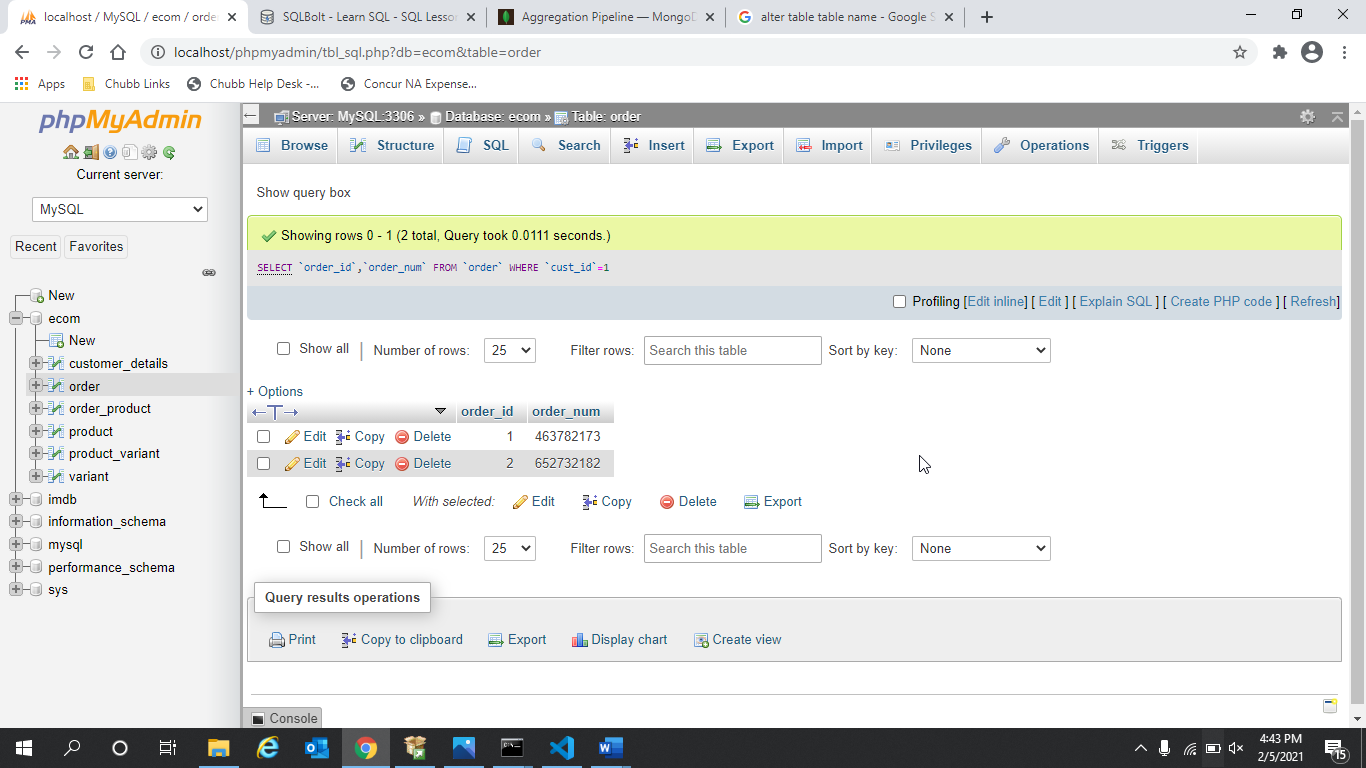
5.Avg rating of a product by id

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) `product`.`id`,`product`.`avg rating` FROM `product`



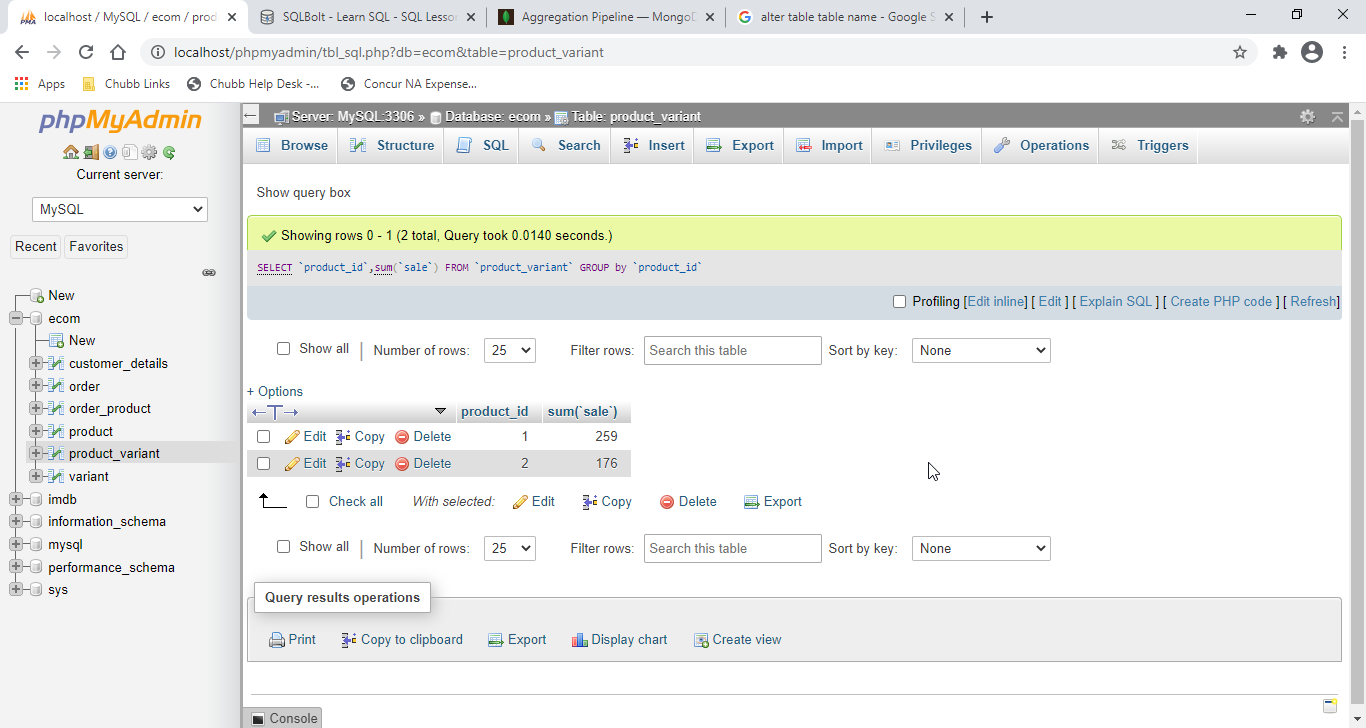
6.All orders for a customer id

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) `order\_id`,`order\_num` FROM `order` WHERE `cust\_id`=1



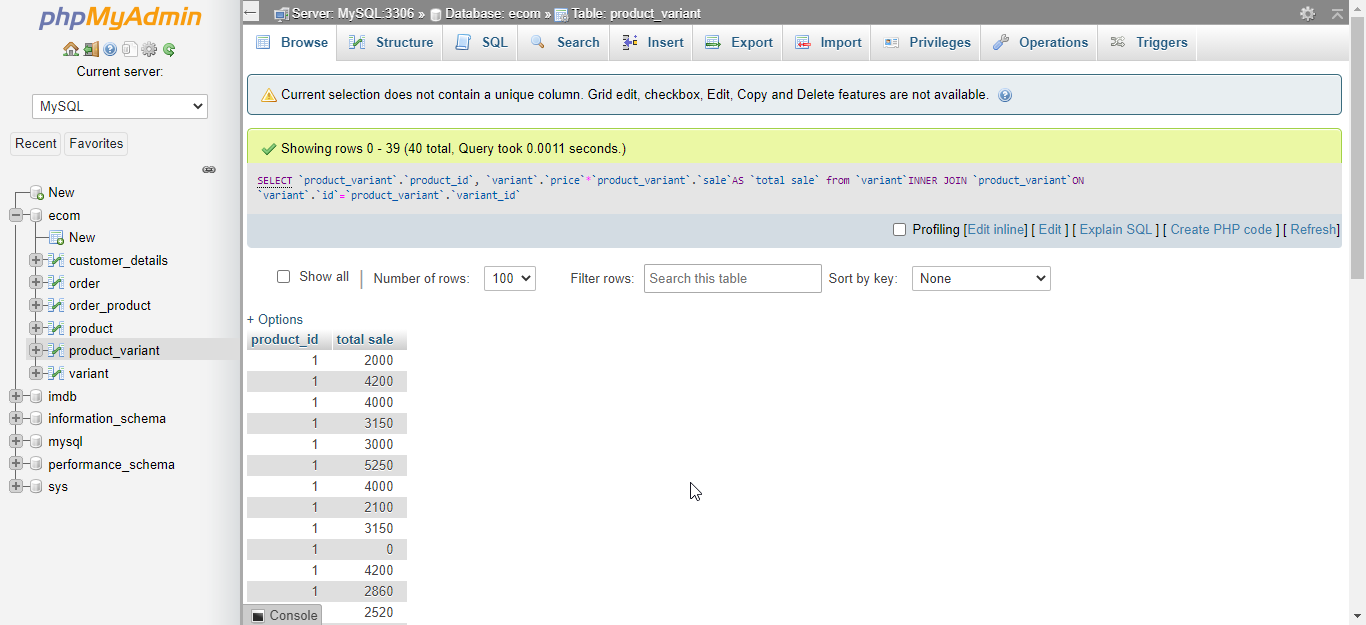
7.Total number of sale of a product by product id

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) `product\_id`,[sum](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_sum)(`sale`) FROM `product\_variant` GROUP by `product\_id`



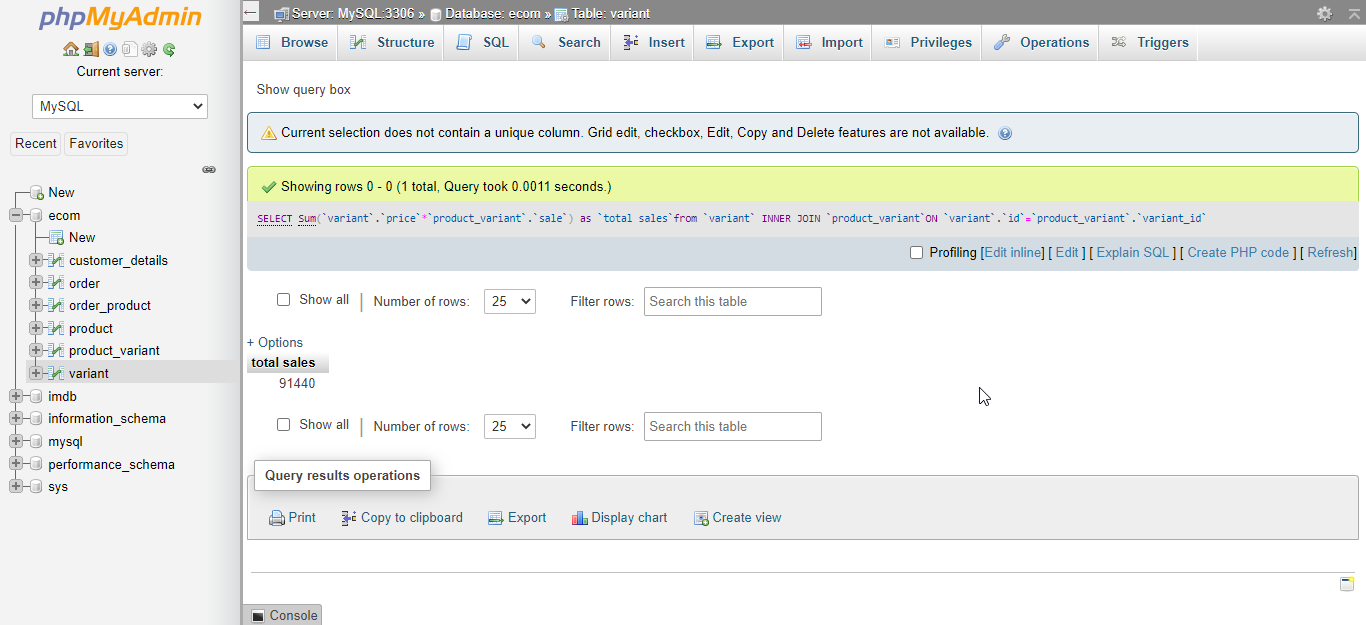
Total sales cost of a product by product id

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) `product\_variant`.`product\_id`, `variant`.`price`\*`product\_variant`.`sale`AS `total sale` from `variant`INNER JOIN `product\_variant`ON `variant`.`id`=`product\_variant`.`variant\_id`

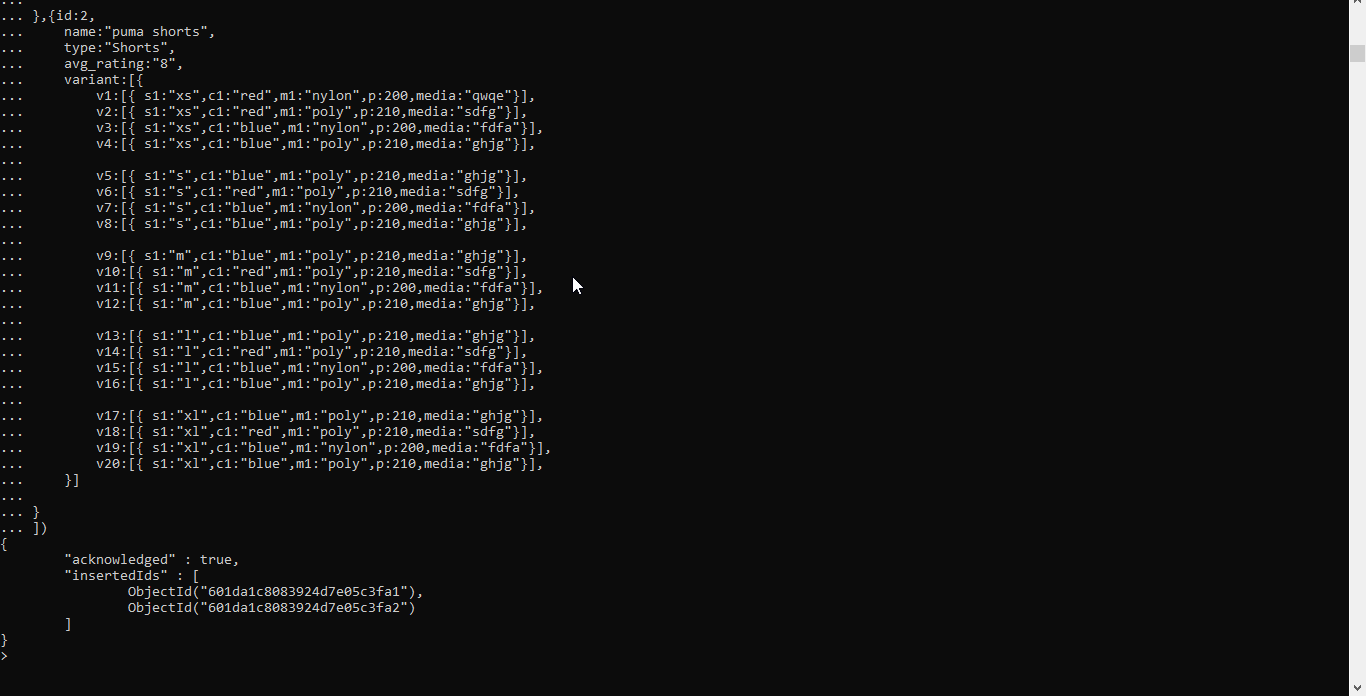


8.Total Company sales

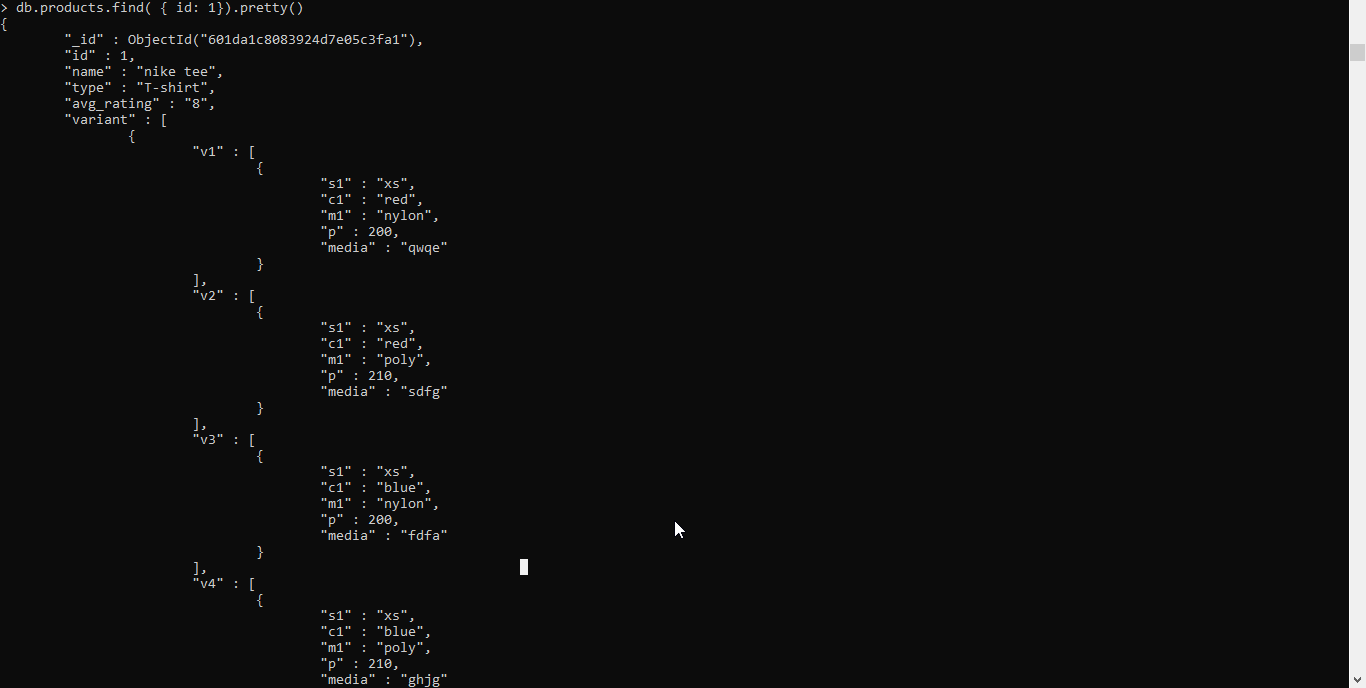
[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [Sum](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_sum)(`variant`.`price`\*`product\_variant`.`sale`) as `total sales`from `variant` INNER JOIN `product\_variant`ON `variant`.`id`=`product\_variant`.`variant\_id`



Insert into product1



Q1



Q2



Q4.



Q5.

