**V1 DML**

**Question 1**

**Write an inner query that display name of all those customers whose order shipped date is in year 2006. (Use EXISTS operator)**

[*select*](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html)*C.first\_name from Customers as C where Exists (*[*select*](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html)*O.customer\_id from orders as O where C.id=O.customer\_id*[*and*](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and)*O.shipped\_date*[*like*](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like)*("2006-%"))*

**Question 2**

**Write an co relate query that display name of every product with min, max, average and total quantity ordered in all orders.**

[*select*](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html)*product\_Name, (*[*select*](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html)[*max*](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_max)*(quantity) from order\_details where products.id = order\_details.product\_id), (*[*select*](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html)[*min*](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_min)*(quantity) from order\_details where products.id = order\_details.product\_id), (*[*select*](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html)[*avg*](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_avg)*(quantity) from order\_details where products.id = order\_details.product\_id), (*[*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)*(quantity) from order\_details where products.id = order\_details.product\_id) From products*

**Write a co-related query that display name of those customers whose at least one order has status id equals to zero. (Use EXISTS operator)**

*select C.first\_name,C.last\_name from customers as C where Exists ( select O.customer\_id from orders as O where C.id=O.customer\_id and O.status\_id=0)*

**Question 4**

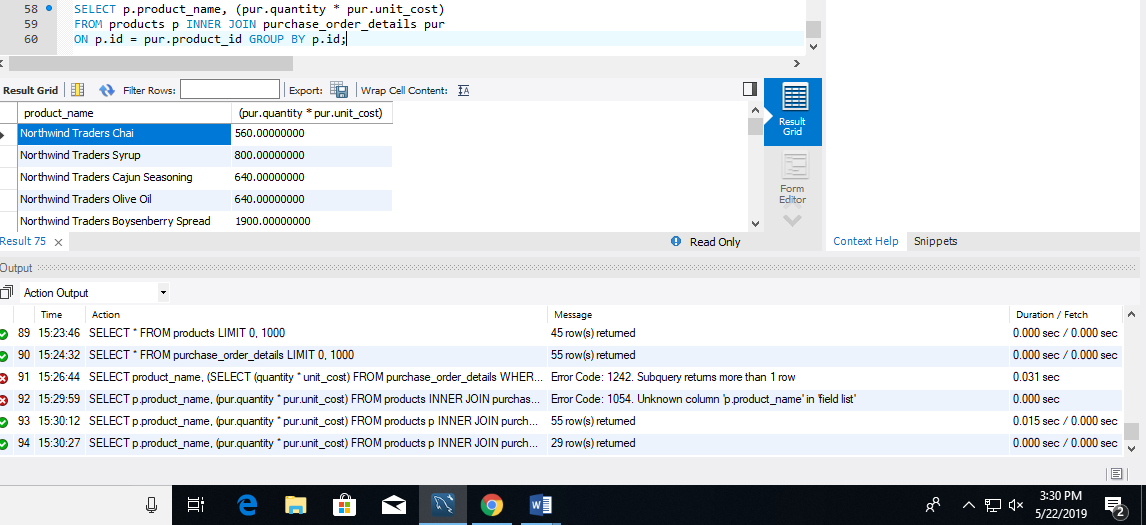
Display Name of all products with total amount of all its purchased till now.

**[Use Joins. No cross product / Co-related sub query / nested subquery is allowed.] Hint: You will use products and purchase\_order\_details table to solve this query.**

*SELECT p.product\_name, (pur.quantity \* pur.unit\_cost)*

*FROM products p INNER JOIN purchase\_order\_details pur*

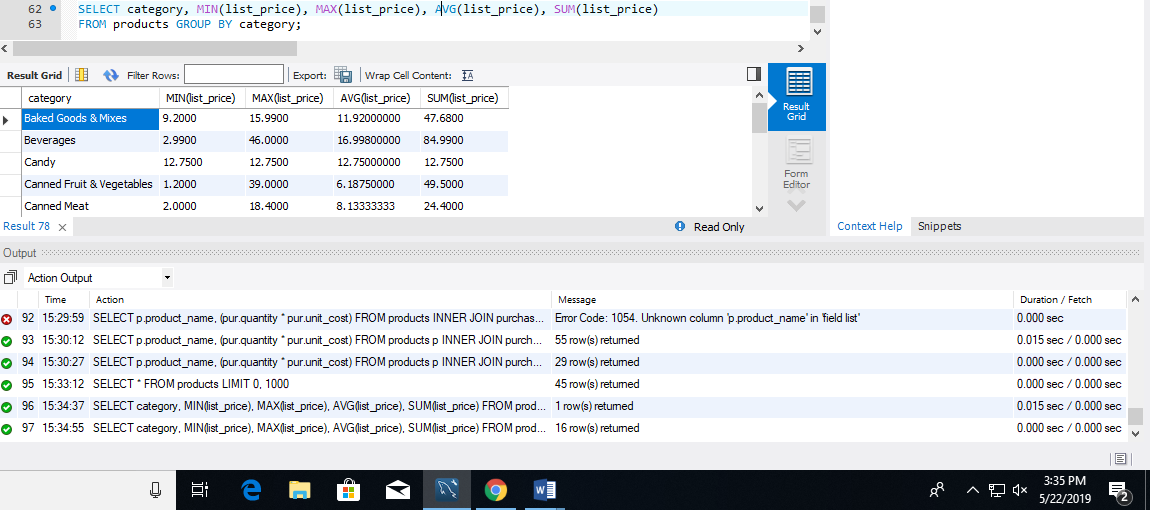
*ON p.id = pur.product\_id GROUP BY p.id;*

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**Question 5**

Display name of all products categories with minimum, maximum, average and sum of list\_price of product belongs to it. **[You need to make one query that display all above values, not separate/individual query]**

*SELECT category, MIN(list\_price), MAX(list\_price), AVG(list\_price), SUM(list\_price) FROM products GROUP BY category;*

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