**V2 DML**

**Question 1:**

**Sales department of the company wants to know about those products which have quantity orders more than 20. Write a inner query that retrieves product numbers, product names with the quantity, which is more than 20.**

*select P.product\_code,P.product\_name from products as P where p.id IN ( select O.product\_id from order\_details as O where O.quantity>20)*

**Question 2:**

**Write a co-related query that displays every customer name with total count of its order.**

*select C.first\_name,(select count(O.id) from orders as O where C.id=O.customer\_id ) as Total\_Orders from Customers as C group by C.first\_name*

**Question 3:**

**Write a co related query that display every product name with total quantity ordered of each product. (V2)**

[*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)[*count*](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)*(quantity) from order\_details where products.id = order\_details.product\_id) from products*

**Question 4:**

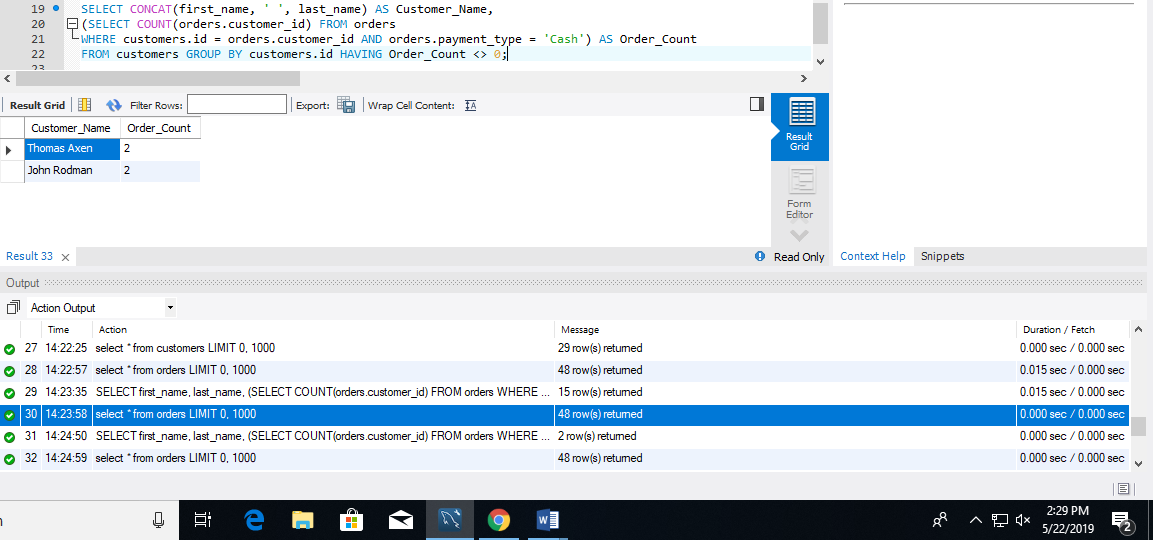
Display name of all customers with their respective total order count whose payment\_type is ‘Cash’. Don’t display customer if its total order count is zero. **[Use Co-related sub query. No Join/cross product is allowed].**

*SELECT CONCAT(first\_name, ' ', last\_name) AS Customer\_Name,*

*(SELECT COUNT(orders.customer\_id) FROM orders*

*WHERE customers.id = orders.customer\_id AND orders.payment\_type = 'Cash') AS Order\_Count*

*FROM customers GROUP BY customers.id HAVING Order\_Count <> 0;*

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**Question 5:**

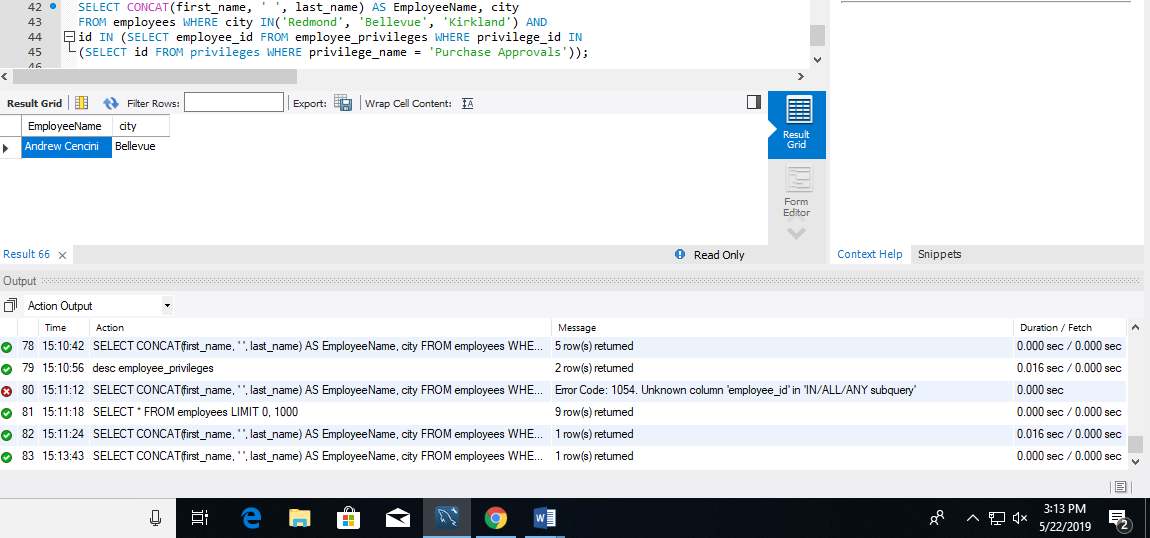
Display Name of those employees who has privileges of ‘Purchase Approvals’ and lives in city ‘Redmond’ or ‘Bellevue’ or ‘Kirkland’. **[Use Nested query. No Join / cross product / Co-related sub query is allowed]**

*SELECT CONCAT(first\_name, ' ', last\_name) AS EmployeeName, city*

*FROM employees WHERE city IN('Redmond', 'Bellevue', 'Kirkland') AND*

*id IN (SELECT employee\_id FROM employee\_privileges WHERE privilege\_id IN*

*(SELECT id FROM privileges WHERE privilege\_name = 'Purchase Approvals'));*

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