

Database Session Query Task

Imthiyas Vadakkan

1. List all orders of a customer

```
mysql> SELECT CUSTOMER.FIRST_NAME, CUSTOMER.LAST_NAME,  
PRODUCT.PRODUCT_NAME FROM ORDERS INNER JOIN CUSTOMER ON ORD  
ERS.CUSTOMER_ID = CUSTOMER.CUSTOMER_ID INNER JOIN PRODUCT ON  
PRODUCT.PRODUCT_ID = ORDERS.PRODUCT_ID WHERE  
ORDERS.CUSTOMER_ID = 1;
```

```
mysql> SELECT CUSTOMER.FIRST_NAME, CUSTOMER.LAST_NAME, PRODUCT.PRODUCT_NAME FROM ORDERS INNER JOIN CUSTOMER ON ORD  
ERS.CUSTOMER_ID = CUSTOMER.CUSTOMER_ID INNER JOIN PRODUCT ON PRODUCT.PRODUCT_ID = ORDERS.PRODUCT_ID WHERE ORDERS.C  
USTOMER_ID = 1;  
+-----+-----+-----+  
| FIRST_NAME | LAST_NAME | PRODUCT_NAME |  
+-----+-----+-----+  
| anagha     | sethu     | Cooking Oil   |  
| anagha     | sethu     | Huawei Y9     |  
| anagha     | sethu     | Fur Remover   |  
| anagha     | sethu     | Sandwich Maker |  
+-----+-----+-----+
```

2. Number of orders by customers

```
mysql> select CUSTOMER.FIRST_NAME, count(ORDERS.ORDER_ID) as  
TotalOrder from ORDERS inner join CUSTOMER on  
ORDERS.CUSTOMER_ID=CUSTOMER.CUSTOMER_ID group by  
CUSTOMER.CUSTOMER_ID;
```

```
mysql> select CUSTOMER.FIRST_NAME, count(ORDERS.ORDER_ID) as TotalOrder from ORDERS inner join CUSTOMER on ORDERS.C  
USTOMER_ID=CUSTOMER.CUSTOMER_ID group by CUSTOMER.CUSTOMER_ID;  
+-----+-----+  
| FIRST_NAME | TotalOrder |  
+-----+-----+  
| anagha     | 4          |  
| dayana     | 2          |  
| rashad     | 3          |  
| devi       | 1          |  
| imthiyas   | 1          |  
| jeevan     | 1          |  
| vrinda     | 1          |  
| jini       | 3          |  
| misha      | 1          |  
+-----+-----+  
9 rows in set (0.01 sec)
```

3. Top 10 best selling product

```
mysql> SELECT PRODUCT.PRODUCT_NAME, COUNT(ORDERS.ORDER_ID) AS  
TOTAL_ORDERS FROM ORDERS INNER JOIN PRODUCT ON
```

ORDERS.PRODUCT_ID = PRODUCT.PRODUCT_ID ORDER BY
COUNT(ORDERS.ORDER_ID) DESC LIMIT 10;

```
mysql> SELECT PRODUCT.PRODUCT_NAME, COUNT(ORDERS.ORDER_ID) AS TOTAL_ORDERS
-> FROM ORDERS
-> INNER JOIN PRODUCT ON ORDERS.PRODUCT_ID = PRODUCT.PRODUCT_ID
-> GROUP BY ORDERS.PRODUCT_ID
-> ORDER BY COUNT(ORDERS.ORDER_ID) DESC
-> LIMIT 10;
```

PRODUCT_NAME	TOTAL_ORDERS
Huawei Y9	5
Ponds Cleaner	2
Rice Cooker	1
Sandwich Maker	1
Davincicode	1
Sofa	1
Sapiens	1
Cooking Oil	1
One Plus Band	1
Pista	1

10 rows in set (0.02 sec)

4. Top 5 category

```
mysql> SELECT CATEGORY.CATEGORY_ID, CATEGORY.CATEGORY_NAME, COUNT(ORDERS.ORDER_ID) AS TOTAL_ORDERS
COUNT(ORDERS.ORDER_ID) AS TOTAL_ORDERS FROM CATEGORY JOIN
PRODUCT ON CATEGORY.CATEGORY_ID = PRODUCT.CATEGORY_ID JOIN
ORDERS ON PRODUCT.PRODUCT_ID = ORDERS.PRODUCT_ID GROUP BY
CATEGORY.CATEGORY_ID ORDER BY COUNT(ORDERS.ORDER_ID) DESC LIMIT 5;
```

```
mysql> SELECT CATEGORY.CATEGORY_ID, CATEGORY.CATEGORY_NAME, COUNT(ORDERS.ORDER_ID) AS TOTAL_ORDERS
-> FROM CATEGORY
-> JOIN PRODUCT ON CATEGORY.CATEGORY_ID = PRODUCT.CATEGORY_ID
-> JOIN ORDERS ON PRODUCT.PRODUCT_ID = ORDERS.PRODUCT_ID
-> GROUP BY CATEGORY.CATEGORY_ID
-> ORDER BY COUNT(ORDERS.ORDER_ID) DESC LIMIT 5;
```

CATEGORY_ID	CATEGORY_NAME	TOTAL_ORDERS
1	Electronics	6
2	Home & Kitchen	3
4	Beauty & Skincare	2
8	Furniture	2
3	Grocery & Gourmet	1

5 rows in set (0.00 sec)