

## Assignment - SQL

1. Find the errors in the below Query :

```
SELECT
vendor_id,
market_date,
product_id,
Original_price,
RANK (OVER) (PARTITION vendor_id ORDER BY original_price DESC)
AS price_rank
FROM farmers_market.vendor_inventory
```

2. Find the error in the below Query :

```
SELECT
vendor_id,
market_date
product_Id,
original_price,
DENSERANK() OVER (PARTITION BY product_id ORDER BY original_price
DESC) AS price_rank
FROM vendor_inventory
```

3. Complete the below query to get the desired result ( Total\_amt paid by customer\_id 4 & 5 per market\_date )

```
SELECT
market_date,
customer_id,
____(quantity * cost_to_customer_per_qty) AS total_amt_spent

FROM `farmers_market.customer_purchases`
WHERE customer_id _____

ORDER BY market_date
```

4. Complete the below query to get the desired result (List down all the product details where product category contains “Fruits” in it.)

```
SELECT *
FROM `farmers_market.product`
WHERE product_category_id IN ( _____ product_category_id
FROM `farmers_market.product_category`
WHERE _____(product_category_name) _____
```

5. Write a Query to Rank all the products bases on their Quantities sold per market date (Use all Rank(), Dense\_Rank() & Row numbers() functions in your query)