

QUERY FOR ANALYSIS QUESTIONS

Ques. 1

```
SELECT order_id, orders.customer_id, customers.customer_name, order_totalamount
FROM orders
JOIN customers ON customers.customer_id = orders.customer_id
WHERE order_totalamount > 1000
```

Ques. 2

```
SELECT p.product_id, p.product_name, SUM(od.orderdetail_quantity) AS qt_sold
FROM products p
JOIN order_details od ON p.product_id = od.product_id
GROUP BY p.product_id
ORDER BY 1 ASC
```

Ques. 3

```
select order_id, p.product_name, orderdetail_quantity as qt
FROM order_details o
JOIN products p ON p.product_id = o.product_id
WHERE orderdetail_quantity > (select AVG(orderdetail_quantity) from order_details)
```

Ques. 4

```
SELECT o.order_id, COUNT(od.product_id) AS unique_products
FROM orders o
join order_details od on o.order_id = od.order_id
group by o.order_id
order by 1 asc
```

Ques. 5

```
SELECT EXTRACT (MONTH FROM o.order_date) as months, SUM (od.orderdetail_quantity) as
total_produpts_sold
```

```
FROM orders o
JOIN order_details od ON o.order_id = od.order_id
WHERE EXTRACT (YEAR FROM o.order_date) = 2023
GROUP BY EXTRACT(MONTH FROM o.order_date) ORDER BY months
```

Ques. 6

```
WITH products_sold AS
(
    SELECT EXTRACT (MONTH FROM o.order_date) as month, SUM (od.orderdetail_quantity) as
total_products_sold
    FROM orders o
    JOIN order_details od ON o.order_id = od.order_id
    WHERE EXTRACT (YEAR FROM o.order_date) = 2023
    GROUP BY EXTRACT (MONTH FROM o.order_date) ORDER BY month ASC
)
```

```
SELECT * FROM products_sold
WHERE total_products_sold > 2
```

Ques. 7

```
SELECT order_id, order_totalamount as total_amount,
CASE
WHEN order_totalamount > 1000 THEN 'High Value'
ELSE 'Low Value'
END AS Value
FROM orders
```