

SQL INTERMEDIATE QUESTION ON DATASET

- 1) List each customer's **total spent** from the Orders table using SUM and arrange the CustomerID in Ascending order.

```
Query : - select CustomerID,sum(price) As Total_sum from `core-folio-462704-q6.Customer_data.Orders`  
group by CustomerID  
order by CustomerID ASC;
```

Row	CustomerID	Total_sum
1	1	1100
2	2	850
3	3	60
4	4	150

- 2) Find all orders made by customers from **Mumbai**.

```
Query :- select C.Name,O.CustomerID,O.OrderID,C.City from `core-folio-462704-q6.Customer_data.Orders` As O  
left join `core-folio-462704-q6.Customer_data.Ecommerce Customers`As C On  
O.CustomerID=C.CustomerID  
Where C.City="Mumbai";
```

Row	Name	CustomerID	OrderID	City
1	Alice		1	104
2	Alice		1	101
3	Ethan		5	105

3) Show the total quantity of products ordered per customer.

Query :- select CustomerID, Product,Sum(Quantity) As Total_Quantity from `core-folio-462704-q6.Customer_data.Orders`
Group by CustomerID,Product;

The screenshot shows the BigQuery web interface. At the top, there is a search bar and a navigation bar with various icons. Below the navigation bar, a message says "o the full BigQuery experience. [Learn more](#)". On the left, there is a sidebar with icons for file operations. The main area shows an "Untitled query" tab with the following SQL code:

```
1 select CustomerID, Product,Sum(Quantity) As Total_Quantity from `core-folio-462704-q6.Customer_data.Orders`  
2 Group by CustomerID,Product;  
3
```

A message "Query completed" is displayed above the results table. The results table has columns: Row, CustomerID, Product, and Total_Quantity. The data is as follows:

Row	CustomerID	Product	Total_Quantity
1	3	Keyboard	1
2	4	Chair	1
3	1	Monitor	1
4	1	Laptop	1

At the bottom right of the results table, there are pagination controls: "Results per page: 50", "1 – 7 of 7", and arrows for navigating through the pages.

4) Find customers who have purchased a Laptop.

Query : select CustomerID, Product,Sum(Quantity) As Total_Quantity from `core-folio-462704-q6.Customer_data.Orders`
Where Product="Laptop"
Group by CustomerID, Product;

The screenshot shows the BigQuery web interface. At the top, there is a search bar and a navigation bar with various icons. Below the navigation bar, a message says "the full BigQuery experience. [Learn more](#)". On the left, there is a sidebar with icons for file operations. The main area shows an "Untitled query" tab with the following SQL code:

```
1 select CustomerID, Product,Sum(Quantity) As Total_Quantity from `core-folio-462704-q6.Customer_data.Orders`  
2 Where Product="Laptop"  
3 Group by CustomerID, Product;  
4
```

A message "Query completed" is displayed above the results table. The results table has columns: Row, CustomerID, Product, and Total_Quantity. The data is as follows:

Row	CustomerID	Product	Total_Quantity
1	1	Laptop	1
2	5	Laptop	1
3	2	Laptop	1

At the bottom right of the results table, there are pagination controls: "Results per page: 50", "1 – 3 of 3", and arrows for navigating through the pages.

5) Join Customers and Orders to list Customer Name, Product, Quantity, and OrderDate.

```
QUERY :- select C.Name,O.Product,O.Quantity,O.OrderDate from `core-folio-462704-q6.Customer_data.Orders` As O  
left join `core-folio-462704-q6.Customer_data.Ecommerce Customers`As C On  
C.CustomerID=O.CustomerID;
```

The screenshot shows the BigQuery web interface with a completed query. The query results table has four columns: Name, Product, Quantity, and OrderDate. The data is as follows:

Row	Name	Product	Quantity	OrderDate
1	Charlie	Keyboard	1	2024-05-25
2	Diana	Chair	1	2024-03-01
3	Alice	Monitor	1	2024-03-10
4	Alice	Laptop	1	2024-02-01