

Q1

```
2 Q1.List all orders along with the customer name and product name.
3 --Expected Output Columns :OrderID, OrderDate ,CustomerName,ProductName,Quantity
4
5
6 SELECT
7 o.OrderID,
8 o.OrderDate,
9 c.CustomerName,
10 p.ProductName,
11 o.Quantity
12 FROM orders_large AS o
13 INNER JOIN customers_large AS c ON
14 o.customerid = c.customerid
15 INNER JOIN product_large AS p ON
16 o.productid =p.productid
17 ORDER BY o.orderid;
```

Results Chart

	# ORDERID	ORDERDATE	CUSTOMERNAME	PRODUCTNAME	# QUANTITY
1	1	2023-06-10	Customer_1251	Product_2014	10
2	2	2023-12-07	Customer_1236	Product_2004	5
3	3	2024-10-26	Customer_1170	Product_2171	9
4	4	2023-02-17	Customer_1344	Product_2007	2

Query Details

Query duration 615ms

Rows 4K

Query ID 01bff181-000c-b23e-...

Q2.

```
21 Q2.Which customers have placed at least one order?
22 --Expected Output Columns: CustomerID ,CustomerName,Country,OrderID,OrderDate
23
24 SELECT
25 o.OrderID,
26 o.OrderDate,
27 c.CustomerName,
28 c.Country,
29 c.customerid
30 FROM orders_large AS o
31 INNER JOIN customers_large AS c ON
32 o.customerid = c.customerid
33 INNER JOIN product_large AS p ON
34 o.productid =p.productid
35 ORDER BY o.orderid;
36
```

Results Chart

	# ORDERID	ORDERDATE	CUSTOMERNAME	COUNTRY	# CUSTOMERID
1	1	2023-06-10	Customer_1251	Germany	1251
2	2	2023-12-07	Customer_1236	Australia	1236
3	3	2024-10-26	Customer_1170	Germany	1170
4	4	2023-02-17	Customer_1344	Canada	1344
5	5	2024-11-06	Customer_1319	USA	1319

Query Details

Query duration 629ms

Rows 4K

Query ID 01bff1e8-000c-b23e-...

Show more

Q3.

```

39 Q3.List all customers and any orders they might have placed .Include cutomers who have not placed any
40 orders.
41 -- Expected Output Columns :CustomerID,CustomerName ,Country,OrderID,OrderDate,ProductID,Quantity
42
43 SELECT
44 c.CustomerID,
45 c.CustomerName,
46 c.country,
47 o.OrderID,
48 o.OrderDate,
49 o.ProductID,
50 o.Quantity
51 FROM customers_large AS c
52 LEFT JOIN orders_large AS o ON c.customerid = o.CustomerID
53 ORDER BY c.CUSTOMERID ,o.OrderID;

```

Results							Chart					
	#	CUSTOMERID	A	CUSTOMERNAME	A	COUNTRY	#	ORDERID	ORDERDATE	#		
1		1001		Customer_1001		India		127	2024-06-30			
2		1001		Customer_1001		India		462	2024-06-14			
3		1001		Customer_1001		India		1106	2024-05-15			
4		1001		Customer_1001		India		1855	2024-05-04			
5		1001		Customer_1001		India		2602	2023-04-04			

Query Details
Query duration 560ms
Rows 4K
Query ID 01bff203-000c-b23e-...
Show more

Q4.

```

56 Q4.List all products and how many times each was ordered (if any).
57 --Expected Output Columns:ProductID ,ProductName,TotalOrders (TotalOrders is the count of how many
58 times the product appears in orders)
59
60 SELECT
61 p.ProductID,
62 p.ProductName,
63 COUNT (o.orderid) AS TotalOrders
64 FROM product_large AS p
65 LEFT JOIN Orders_large AS o ON p.ProductID =o.ProductID
66 GROUP BY p.productid,p.productname
67 ORDER BY Totalorders desc ,p.productid ;
68
69
70
71

```

Results							Chart					
	#	PRODUCTID	A	PRODUCTNAME	#	TOTALORDERS						
1		2041		Product_2041		34						
2		2076		Product_2076		34						
3		2011		Product_2011		32						
4		2135		Product_2135		32						
5		2098		Product_2098		30						

Query Details
Query duration 594ms
Rows 200
Query ID 01bff221-000c-b23e-...
Show more

Q5

```

71 Q5.Find all orders along with products details including any products that might not have been ordered.
72 --Expected Output Columns :OrderID, OrderDate ,ProductID,ProductName,Price ,Quantity
73
74 SELECT
75 o.OrderID,
76 o.OrderDate,
77 p.ProductID,
78 p.ProductName,
79 p.Price,
80 o.Quantity
81 FROM orders_large AS o
82 RIGHT JOIN PRODUCT_LARGE AS p ON o.productid= p.productid
83 ORDER BY p.productid, o.orderid ;
84
85

```

↶ Results

~ Chart

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	# ORDERID	🕒 ORDERDATE	# PRODUCTID	🔗 PRODUCTNAME	# PRICE	# QUANTITY
1	298	2023-07-28	2001	Product_2001	833	
2	427	2023-02-28	2001	Product_2001	833	
3	680	2024-10-29	2001	Product_2001	833	
4	715	2024-07-17	2001	Product_2001	833	

Query Details

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Query duration649ms

Rows4K

Query ID01bff23c-000c-b23e-...

Show more ▾

Q6

```

87 Q6.Which customers have made orders and include customers even if they never placed an order.
88 --Expected Output Columns :CustomerID,CustomerName ,Country ,OrderID ,OrderDate,ProductID, Quantity
89
90 SELECT
91 c.CustomerID,
92 c.CustomerName,
93 c.Country,
94 o.OrderID,
95 o.ProductID,
96 o.Quantity
97 FROM orders_large AS o
98 RIGHT JOIN customers_large AS c ON o.customerid= c.customerid
99 ORDER BY c.customerid, o.orderid;
100

```

Results

Chart

Search

Filter

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Fullscreen

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	# CUSTOMERID	A CUSTOMERNAME	A COUNTRY	# ORDERID	# PRODUCTID	#
1	1001	Customer_1001	India	127	2190	
2	1001	Customer_1001	India	462	2044	
3	1001	Customer_1001	India	1106	2084	
4	1001	Customer_1001	India	1855	2185	

Query Details

Query duration

586ms

Rows

4K

Query ID

01bff27a-000c-b23e-...

Show more

Q7

```

100 |
101 Q7.List all customers and orders ,showing NULLs where customers have not ordered or where orders have
102 no customer info.
103 -- Expected Output Columns : CustomerID ,CustomerName ,Country ,OrderID, OrderDATE ,ProductID
104 ,Quantity
105
106 SELECT
107 c.CustomerID,
108 c.CustomerName,
109 c.Country,
110 o.OrderID,
111 o.ProductID,
112 o.Quantity
113 FROM customers_large AS c
114 RIGHT JOIN orders_large AS o ON c.customerid =o.customerid

```

↶ Results

↷ Chart

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	# CUSTOMERID	A CUSTOMERNAME	A COUNTRY	# ORDERID	# PRODUCTID	#
1	1001	Customer_1001	India	127	2190	
2	1001	Customer_1001	India	462	2044	
3	1001	Customer_1001	India	1106	2084	
4	1001	Customer_1001	India	1855	2185	

Query Details

...

Query duration

651ms

Rows

4K

Query ID

01bff285-000c-b23e-...

Show more

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Q7

```

113 RIGHT JOIN orders_large AS o ON c.customerid =o.customerid
114
115 union
116
117 SELECT
118 c.CustomerID,
119 c.CustomerName,
120 c.Country,
121 o.OrderID,
122 o.ProductID,
123 o.Quantity
124 FROM customers_large AS c
125 RIGHT JOIN orders_large AS o ON c.customerid = o.customerid
126 WHERE c.customerid IS NULL
127 ORDER BY customerid,orderid ;
128
129

```

↶ Results

~ Chart

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	# CUSTOMERID	A CUSTOMERNAME	A COUNTRY	# ORDERID	# PRODUCTID	#
1	1001	Customer_1001	India	127	2190	
2	1001	Customer_1001	India	462	2044	
3	1001	Customer_1001	India	1106	2084	
4	1001	Customer_1001	India	1855	2185	

Query Details

...

Query duration

651ms

Rows

4K

Query ID

01bff285-000c-b23e-...

Show more

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Q8

```
133 product info.
134 Expected Output Columns:ProductID ,ProductName ,Price ,OrderID ,OrderDate ,CustomerID,Quantity
135
136 SELECT
137 p.ProductID,
138 p.ProductName,
139 p.Price,
140 o.OrderID,
141 o.OrderDate,
142 o.CustomerID,
143 o.Quantity
144 FROM product_large AS p
145 LEFT JOIN orders_large AS o ON p.productID = o.productid
146
147 UNION
148
```

Results

Chart

PRODUCTID

A PRODUCTNAME

PRICE

ORDERID

🕒 ORDERDATE

CUST

1	2001	Product_2001	833	298	2023-07-28	
2	2001	Product_2001	833	427	2023-02-28	
3	2001	Product_2001	833	680	2024-10-29	
4	2001	Product_2001	833	715	2024-07-17	

Query Details

...

Query duration617ms

Rows4K

Query ID01bff2b0-000c-b23e-...

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