

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 01bff1e8-000c-b23e-...

Q2.

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

↳ 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
orders.
40  -- Expected Output Columns :CustomerID,CustomerName ,Country,OrderID,OrderDate,ProductID,Quantity
41
42  SELECT
43    c.CustomerID,
44    c.CustomerName,
45    c.country,
46    o.OrderID,
47    o.OrderDate,
48    o.ProductID,
49    o.Quantity
50    FROM customers_large AS c
51    LEFT JOIN orders_large AS o ON c.customerid = o.CustomerID
52    ORDER BY c.CUSTOMERID ,o.OrderID;
53

```

↳ Results ↵ Chart

Query Details

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

Show more ▾

	# 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	

(?)

Q4.

```

56  Q4.List all products and how many times each was ordered (if any).
57  --Expected Output Columns:ProductID ,ProductName,Totalorders (T0talOrders is the count of how many
times the product appears in orders)
58
59
60  SELECT
61    p.ProductID,
62    p.ProductName,
63    COUNT (o.orderid) AS T0talOrders
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

Query Details

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

Show more ▾

	# 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	

(?)

Q5

```

71  Q5.Find all orders along with products details incuding 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

	# ORDERID	⌚ ORDERDATE	# PRODUCTID	▲ PRODUCTNAME	# PRICE	# QUAN	...
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

Query duration 649ms

Rows 4K

Query ID 01bff23c-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

	# CUSTOMERID	▲ CUSTOMERNAME	▲ 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

Query Details

Query duration 651ms

Rows 4K

Query ID 01bff285-000c-b23e-...

Show more ▾

	# CUSTOMERID	▲ CUSTOMERNAME	▲ 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	

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

Query Details

Query duration 651ms

Rows 4K

Query ID 01bff285-000c-b23e-...

Show more ▾

	# CUSTOMERID	▲ CUSTOMERNAME	▲ 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	

Q8

```
product info.  
133  
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 duration 617ms

Rows 4K
Query ID 01bff2b0-000c-b23e-...
Show more ▾