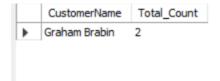
```
-- Queries --
```

Q1. What are total Orders of Customer Named "Graham Brabin"

Query:

```
Felect CustomerName, Count(OrderID) Total_Count
From Customers
Join Orders
on(Customers.CustomerID=Orders.CustomerID)
Where CustomerName='Graham Brabin';
```

Result:



Q2. What is the total StockQuantity of Various Categories of Phones

Query:

```
Select CategoryName, sum(StockQuantity) As Total
From Product
Join Categories
on(Product.CategoryID=Categories.CategoryID)
where Productname like "% Phone"
Group by CategoryName;
```

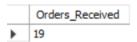
	CategoryName	Total
١	Basic Phone	75
	Gaming Phone	160
	Waterproof Phone	35
	FourG Phone	30
	FiveG Phone	10
	Camera Phone	30

Q3. What are the total orders received from 1 January 2024 to 1 March 2024

Query:

```
Select Count(OrderID) As Orders_Received
From Orders
where OrderDate <= '2024-01-01' or OrderDate >='2024-03-01';
```

Result:



Q4. Provide the details of Maximum Products ordered

Query:

```
Select ProductName, max(quantity) As Maximum

From Product

Join Orderdetails

on(Product.ProductID=Orderdetails.ProductID)

Group by Product.ProductID

order by Maximum Desc

Limit 1:
```

Result:



Q5. Provide Discount on Labtops

```
Select ProductName,Discount_amount
From Product
join Discounts
On(Product.ProductID=Discounts.ProductID)
where productname like "% Labtop";
```

	ProductName	Discount_amount
•	Lenovo Labtop	5000
	HP Labtop	5000
	Dell Labtop	2000
	Apple Labtop	6000
	Acer Labtop	2000

Q6. Provide Names of Customers who has given 5 ratings

Query:

```
Select CustomerName, Rating, Comment
from Reviews
Join Customers
on(Reviews.CustomerID=Customers.CustomerID)
where Rating = 5;
```

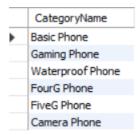
Result:

CustomerName	Rating	Comment
Hendrick Tunnicliff	5	Excellent
Kristofer Orman	5	Excellent
Sophronia Hackworth	5	Excellent
Alecia Simakov	5	Excellent
Ruddie Brosio	5	Excellent
Lawrence Daud	5	Excellent

Q7. Provide the list of Various Categories of Phones

Query:

```
Select Distinct(CategoryName)
From Categories
Join Product
on(Categories.CategoryID=Product.CategoryID)
Where Productname like '% Phone';
```

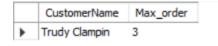


Q8. Provide the Customer name who has maximum no. of orders.

Query:

```
Select CustomerName, Count(*) As Max_order
From Customers
Join orders
on(Customers.Customerid=orders.CustomerID)
Group by Customername
Order by Max_order Desc
Limit 1;
```

Result:



Q9. In how many days customers received their Products

Query:

```
Select CustomerName,datediff(Deliverydate,ShippingDate) as Diff
From Shipping
Join Orders
on(Shipping.OrderID=Orders.orderID)
Join Customers
on(orders.CustomerID=Customers.CustomerID);
```

	CustomerName	Diff
١	Trudy Clampin	4
	Patrica Benoist	2
	Aveline Whitehurst	3
	Sophronia Hackworth	3
	Stephie Echelle	1
	Lydon Ionnidis	4
	Graham Brabin	2
	Graham Brabin	4
	Taddeo Owbridge	2
	Kristofer Orman	2
	Patrica Benoist	3
	Trudy Clampin	2

Q10. Provide the list of Customers which have more than 2 orders

Query:

```
Select Customers.CustomerID, Customers.CustomerName
From Customers
Join Orders
On(Customers.CustomerID=Orders.CustomerID)
Group by Customers.CustomerID, Customers.CustomerName
Having Count(Orders.CustomerID)>= 2;
```

Result:

	CustomerID	CustomerName
•	1	Patrica Benoist
	2	Trudy Clampin
	8	Graham Brabin
	15	Aveline Whitehurst

Q11. How many LG Phones are Saled

```
Select ProductName,Quantity
From OrderDetails
Join Product
on(Orderdetails.ProductID=Product.ProductID)
Where ProductName='LG Phone';
```

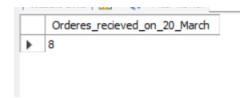
	ProductName	Quantity
•	LG Phone	10

Q12. How many orders are received on date "20 March"

Query:

```
Select Count(Orderdate) As Orderes_recieved_on_20_March
From Orders
where orderdate="2024-03-20";
```

Result:



Q13. What is the total Selling price of all the Phones

Query:

```
Select Sum(Price*Quantity) As Total_Price
From Product
Join Orderdetails
on(Product.ProductID=Orderdetails.ProductID)
Where ProductName like "% Phone";
```



Q14. What is the total Cost of Luxury Smartwatches

Query:

```
Select ProductName, CategoryName, sum(Price*StockQuantity) As Cost
From Product
Join Categories
On(Product.CategoryID=Categories.CategoryID)
where CategoryName='Luxury Smartwatches'
Group by ProductName;
```

Result:



Q15. Provide Names of Products which are Below 4 ratings

Query:

```
Select ProductName, Rating, Comment
from Reviews
Join Product
on(Reviews.ProductID=Product.ProductID)
where Rating <= 3;</pre>
```

	ProductName	Rating	Comment
•	Acer Phone	1	Good
	Samsung Phone	2	Very Good
	Apple Phone	3	Best
	Lenovo Phone	3	Best
	Micromax Phone	2	Very Good
	OnePlus Phone	3	Best
	Lenovo Labtop	2	Very Good
	HP Labtop	2	Very Good
	Dell Labtop	1	Good
	Apple Labtop	3	Best
	Acer Labtop	3	Best
	JBL Earphone	1	Good

Q16. Provide the details of Order No. 1010

Query:

```
Select CustomerName,ProductName,Quantity,Price,OrderDate
From Customers
Join Orders
On(Customers.CustomerID=Orders.CustomerID)
Join OrderDetails
on(Orders.OrderID=OrderDetails.OrderID)
Join Product
on(OrderDetails.ProductID=Product.ProductID)
Where Orders.OrderID=1010;
```

Result:

		_			-
	CustomerName	ProductName	Quantity	Price	OrderDate
•	Kristofer Orman	Motorola Phone	3	20000	2024-03-20

Q17. Provide total Discount on all Product

```
Select ProductName,Sum(Discount_Amount+Discount) As Total_Discount
From Product
Join Discounts
on(Product.ProductID=Discounts.ProductID)
Join Coupons
on(Discounts.ProductID=Coupons.ProductID)
Group BY ProductName;
```

	ProductName	Total_Discount
١	Acer Phone	1500
	Samsung Phone	1800
	Apple Phone	9000
	Nokia Phone	1000
	Sony Phone	1250
	LG Phone	1650
	Motorola Phone	1200
	Lenovo Phone	2750

Q18. Provide Products list Ordered In Year 2023

Query:

```
Select ProductName,OrderDate
From Orders
Join Orderdetails
on(Orders.OrderID=Orderdetails.OrderID)
Join Product
on(Orderdetails.ProductID=Product.ProductID)
where Date_format(OrderDate,"%Y")=2023;
```

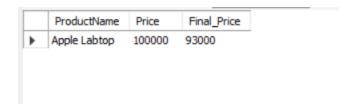
	ProductName	OrderDate
•	FastTrack Smartwatch	2023-12-20
	Apple Phone	2023-11-25
	Sony Phone	2023-11-20
	JBL Earphone	2023-11-16
	Dell Labtop	2023-12-21

Q19. What is the Price of Apple Labtop after Discounts

Query:

```
Select ProductName,Price,Price-Sum(Discount_amount+Discount) As Final_Price
From Product
Join Discounts
on(Product.ProductID=Discounts.ProductID)
Join Coupons
on(Discounts.ProductID=Coupons.ProductID)
Where ProductName ="Apple Labtop"
Group BY Product.ProductID;
```

Result:



Q20. How Many Phones are available in Stock after Delivery

Query:

```
Select ProductName, StockQuantity-sum(Quantity) as Pending_products
From Product
Join OrderDetails
on(Product.ProductID=Orderdetails.ProductID)
Where Productname like '% Phone'
Group by Product.ProductID;
```

	ProductName	Pending_products
•	Acer Phone	5
	Apple Phone	19
	Nokia Phone	5
	Sony Phone	47
	LG Phone	20
	Motorola Phone	37
	Lenovo Phone	3
	Micromay Phone	0

Q21. Provide the details of Orders delivered in the Month of January

Query:

```
Select Shipping.OrderID,ProductName,Quantity,CustomerName,DeliveryDate
From Shipping
Join OrderDetails
on(Shipping.OrderID=Orderdetails.OrderID)
Join Product
on(Orderdetails.ProductID=Product.ProductID)
Join Reviews
on(Orderdetails.ProductID=Reviews.ProductID)
Join Customers
on(Reviews.CustomerID=Customers.CustomerID)
where Month(Shipping.Deliverydate)=1;
```

Result:

	OrderID	ProductName	Quantity	CustomerName	DeliveryDate
•	1007	Sony Phone	2	Hendrick Tunnicliff	2024-01-23
	1013	Vivo Phone	2	Guido Rosenwald	2024-01-25
	1024	Lenovo Phone	12	Taddeo Owbridge	2024-01-11
	1025	RealMe Phone	4	Graham Brabin	2024-01-21
	1029	Acer Labtop	2	Gusti Cubbit	2024-01-19

Q22. List the Customers orders details Starting with Name "A"

```
Select CustomerName, ProductName, OrderDate, Quantity
From Customers
Join Orders
On(Customers.CustomerID=Orders.CustomerID)
Join OrderDetails
on(Orders.OrderID=Orderdetails.OrderID)
Join Product
on(OrderDetails.ProductID=Product.ProductID)
Where customername LIKE "A%";
```

	CustomerName	ProductName	OrderDate	Quantity
•	Aveline Whitehurst	Mi Earphone	2024-03-15	9
	Aveline Whitehurst	FastTrack Smartwatch	2024-02-25	5
	Alfie Fleay	FastTrack Smartwatch	2023-12-20	3
	Alon Pirdue	Boat Earphones	2024-03-20	1
	Annadiana Vinall	Vivo Phone	2024-01-22	2

Q23. In How many Days Customers received their EarPhones after Ordering them.

```
Select CustomerName,ProductName,OrderDate,DeliveryDate,datediff(Deliverydate,OrderDate) as Diff
From Customers
Join Orders
On(Customers.CustomerID=Orders.CustomerID)
Join OrderDetails
On(Orders.OrderID=OrderDetails.OrderID)
Join Shipping
On(Orderdetails.OrderID=Shipping.OrderID)
Join Product
On(OrderDetails.ProductID=Product.ProductID)
where ProductName like "% Earphone";
```

	CustomerName	ProductName	OrderDate	DeliveryDate	Diff
Þ	Aveline Whitehurst	Mi Earphone	2024-03-15	2024-03-18	3
	Maxy Scothorn	Sony Earphone	2024-03-18	2024-03-22	4
	Petunia Mettricke	JBL Earphone	2023-11-16	2023-11-19	3
	Patrica Benoist	OnePlus Earphone	2024-02-18	2024-02-20	2
	Lydon Ionnidis	Apple Earphone	2024-02-20	2024-02-24	4

Q24. Provide the list of Customers Name who have given Lowest Rating to the Products

Query:

```
Select CustomerName, Rating, Comment
From Reviews
Join Customers
On(Reviews.CustomerID=Customers.CustomerID)
Where Rating=1;
```

Result:

	CustomerName	Rating	Comment
•	Maxy Scothorn	1	Good
	Dela Ferrer	1	Good
	Jasmin Ollis	1	Good

Q25. Which Categories of the Phones are Ordered the most

```
Select ProductName, CategoryName, max(Quantity) As Maximum
From Product
Join Categories
On(Product.CategoryID=Categories.CategoryID)
Join OrderDetails
On(Product.ProductID=OrderDetails.ProductID)
Where ProductName Like '% Phone'
Group By Product.ProductID
Order by Maximum Desc
Limit 1;
```

	ProductName	CategoryName	Maximum
•	Lenovo Phone	Waterproof Phone	12