

Queries:-

1. select count(Customer_ID), Type from product_in_cart join Product on product_in_cart.Product_ID = Product.ID Group by Type;(It prints the Numbers of Customers Having a Particular Type of Product in Cart)
2. select sum(Cost) AS 'Total Revenue' from Orders where Date_Time_of_Purchase between '2021-01-01 00:00:00' and '2021-12-31 23:59:59';(It prints the Total Revenue Generated during a time period)
3. select Type, Count(*) as Product_count FROM Product Group By Type; (It prints the Type of Product and it's Quantity)
4. SELECT Customers.Name,Customers.customer_id, Product.Name, Product.ID,product_in_cart.Quantity FROM Customers INNER JOIN product_in_cart ON Customers.customer_id = product_in_cart.Customer_ID INNER JOIN Product ON Product.ID = product_in_cart.Product_ID order by Customer_ID; (It prints the which customer has what products in his/her cart)
5. select * from Customers where customer_id not in (select customer_id from Orders); (Details of Customers Who have not Ordered any Product)
6. SELECT DISTINCT Employee.ID AS Employee_ID, Employee.Name AS Employee_Name FROM Employee INNER JOIN Orders ON Employee.ID = Orders.Employee_ID; (Print the Details of Employee (Delivery Men) who have made at least one sale)
7. select Product.Name, Product.ID, T.order_frequency from Product inner join (select product_id, count(product_id) as order_frequency from Orders group by(product_id)) as T where product_id = Product.ID; (It prints Product name, ID, and how many time It has been ordered)
8. UPDATE Employee SET Salary = IF(Role = 'Delivery' AND Salary > 50000, Salary - 5000, IF(Role = 'Manager' AND Salary < 50000, Salary + 5000, Salary));
9. select Product.Name, Product.ID, T.order_frequency from Product inner join (select product_id, count(Product_ID) as order_frequency from Orders group by(product_id) order by (order_frequency) DESC limit 1) as T where Product_ID = Product.ID; (It Prints the Product which is ordered most number of times)
10. select Customers.Name as Customer_Name, Customers.customer_id, Employee.ID as Employee_ID, Employee.Name as Employee_Name from Customers inner join Employee join (select Orders.Customer_ID, Orders.Employee_ID from Orders) as T

where Customers.customer_id = T.customer_ID and Employee.ID = T.Employee_ID; (It prints that which Employee has delivered which customer)

11. SELECT Customers.Name, Customers.customer_id, COUNT(*) as num_orders FROM Orders INNER JOIN Customers ON Orders.Customer_ID = Customers.customer_id GROUP BY Customers.customer_id HAVING num_orders > 2; (It prints Customers who have Order more than k number of times)
12. UPDATE Production SET Production_Capacity = 200 WHERE Type_of_product='Milk' OR Type_of_product='Ice Cream';
13. select Type_of_Supply, Count(*) as Supply_count FROM Supplier Group By Type_of_Supply; (It prints the number of suppliers delivering a particular type of milk)