

Please visit below website and start performing queries as per question given below. This website is SQL editor of W3 and has its own databases.

https://www.w3schools.com/sql/trysql.asp?filename=trysql_asc

Paste your answer (i.e query and NOT output) to the respective question.

Question 1: Find Top 5 Product based on their SaleValue for the Month of August in Year 1996

Answer:

```
SELECT Products.ProductID, ProductName, SUM(Price) as Salevalue, OrderDate
FROM OrderDetails
INNER JOIN Products
ON Products.ProductID = OrderDetails.ProductID
INNER JOIN Orders
ON OrderDetails.OrderID = Orders.OrderID
WHERE OrderDate BETWEEN '1996-08-01' AND '1996-09-01'
GROUP BY Products.ProductID
ORDER BY SUM(Price) DESC
LIMIT 5;
```

Question 2: Find Top 5 Product based on their SaleValue. Display all information of Product including category details, supplier details and TotalSalesValue(Exclude all Id columns except for Product).

Answer:

```
SELECT
ProductID,ProductName,Unit,Price,CategoryName,Description,SupplierName,ContactName,
Address,City,PostalCode,Country,Phone
FROM Products
INNER JOIN Categories
ON Categories.CategoryID = Products.CategoryID
INNER JOIN Suppliers
ON Suppliers.SupplierID = Products.SupplierID
ORDER BY PRICE DESC
LIMIT 5;
```

Question 3: Find Top 5 Supplier based on their Sales Value. Display all Information of supplier and their sale value.

Answer:

```
SELECT
Suppliers.SupplierID,SupplierName,ContactName,Address,City,PostalCode,Country,Phone
,SUM(Price) as SaleValue
FROM Suppliers
```

```
INNER JOIN Products
ON Products.SupplierID = Suppliers.SupplierID
GROUP BY Suppliers.SupplierID
ORDER BY SUM(Price) DESC
LIMIT 5;
```

Question 4: Find Top 5 Employees based on number of order they handled. Display all information of employees with order count.

Answer:

```
SELECT Employees.EmployeeID, LastName, FirstName, BirthDate, Photo, Notes, SUM(Quantity)
AS OrderCount
FROM Employees
INNER JOIN Orders
ON Employees.EmployeeID = Orders.EmployeeID
INNER JOIN OrderDetails
ON Orders.OrderID = OrderDetails.OrderID
GROUP BY Employees.EmployeeID
ORDER BY SUM(Quantity) DESC
LIMIT 5;
```

Question 5: Find all information of shippers with their order delivery count.

Answer:

```
SELECT Shippers.ShipperID, ShipperName, Phone, SUM(Quantity) AS OrderCount
FROM Shippers
INNER JOIN orders
ON Shippers.ShipperID = Orders.ShipperID
INNER JOIN OrderDetails
On Orders.OrderID = OrderDetails.OrderID
GROUP BY Shippers.ShipperID
ORDER BY SUM(Quantity) DESC;
```

Question 6: Find Top 5 Customers for Beverages based on their total purchase value.

Answer:

```
SELECT
Customers.CustomerID, CustomerName, ContactName, Address, City, PostalCode, Country, SUM(P
rice) as TotalPurchase
FROM OrderDetails
INNER JOIN Products
ON Products.ProductID = OrderDetails.ProductID
INNER JOIN Categories
ON Products.CategoryID = Categories.CategoryID
INNER JOIN Orders
ON Orders.OrderID = OrderDetails.OrderID
INNER JOIN Customers
ON orders.CustomerID = Customers.CustomerID
```

```
WHERE CategoryName = 'Beverages'  
GROUP BY Customers.CustomerID  
ORDER BY SUM(Price) DESC  
LIMIT 5;
```

Question 7: Find Top 5 Customers based on their total purchase value.

Answer:

```
SELECT  
Customers.CustomerID, CustomerName, ContactName, Address, City, PostalCode, Country, SUM(P  
rice) as TotalPurchase  
FROM OrderDetails  
INNER JOIN Products  
ON Products.ProductID = OrderDetails.ProductID  
INNER JOIN Categories  
ON Products.CategoryID = Categories.CategoryID  
INNER JOIN Orders  
ON Orders.OrderID = OrderDetails.OrderID  
INNER JOIN Customers  
ON orders.CustomerID = Customers.CustomerID  
GROUP BY Customers.CustomerID  
ORDER BY SUM(Price) DESC  
LIMIT 5;
```