1. **In the previous 2 years, what have been the top 3 most popular menu items?**

Select year(o.OrderDate) As “Year”, mi.MenuItemName, sum(od.Qty) as QuantitySold

From MenuItem mi, Orders o, OrderDetail od

Where mi.MenuItemID = od.MenuItemId

And o.OrderID = od.OrderID

Group By 1, 2

Order by 1 Desc, 3 Desc

;

**#Eye Filet 258, Classic Cesar Salad 256, Roast Baby Vegetables 237**

1. **In 2022, what was the busiest (most orders) day of the week?**

Select year(OrderDate) As “Year”, Dayname(OrderDate) As “DayOfWeek”, Count(OrderID) as “TotalOrders”

From Orders o

Group By 1, 2

Order by 1 Desc, 3 Desc

;

**#Saturday 53**

1. **What was the percentage of repeat customers from 2022?**

Select year(o.OrderDate) As “Year”, Concat(o.CustID, c.CustName) As "Customer"

From Orders o, Customers c

Where c.CustID = c.CustID

Group By 2, 1

Order By 1 Desc

;

**#3650 customers in 2022, 0 repeated in 2023**

1. **Has the menu item family preference among young people changed in the last 5 years?**

Select year(o.OrderDate), ag.AgeGroupName, mif.MenuItemFamilyName, Count(od.Qty) As “TotalOrdered”

From Orders o, Customers c, AgeGroup ag, OrderDetail od, MenuItem mi, MenuItemFamily mif

Where mif.MenuItemFamilyID = mi.MenuItemFamilyID

And mi.MenuItemID = od.MenuItemID

And od.OrderID = o.OrderID

And o.CustID = c.CustID

And c.AgeGroupID = ag.AgeGroupID

Group By 1, 2, 3

Order By 1 Desc, 4 Desc

;

**#2019-2021 young people favored lunch, but 2022 and on they favored dinner. In 2023 so far slightly favor lunch**

1. **What was the most popular order type in the first year of company opening?**

Select year(o.OrderDate), ot.OrderTypeName, Count(o.OrderID) As TotalOrders

From Orders o, OrderType ot

Where ot.OrderTypeID = o.OrderTypeID

Group By 1, 2

Order By 1 Asc, 3 Desc

;

**#Take out orders were most popular in first year of opening with 188 orders vs 177 for eat in**

1. **Did the number of take out orders increase from 2021 to 2022?**

Select year(o.OrderDate), ot.OrderTypeName, count(o.OrderID) as TotalOrders

From Orders o, OrderType ot

Where o.OrderTypeID = ot.OrderTypeID

Group By 1, 2

Order by 1 Desc, 2 Asc

**;**

**#number of take out orders increased from 182 to 187 from 2021 to 2022**

1. **Did older people buy more lunch than younger or middle age people in the last year?**

Select year(o.OrderDate), ag.AgeGroupName, mif.MenuItemFamilyName, Count(od.Qty) As “TotalOrdered”

From Orders o, Customers c, AgeGroup ag, OrderDetail od, MenuItem mi, MenuItemFamily mif

Where mif.MenuItemFamilyID = mi.MenuItemFamilyID

And mi.MenuItemID = od.MenuItemID

And od.OrderID = o.OrderID

And o.CustID = c.CustID

And c.AgeGroupID = ag.AgeGroupID

Group By 1, 2, 3

Order By 1 Desc, 3 Asc, 4 Desc

;

**#In the last year, older people bought more lunch (78 ordered lunch items) than young people, but less than middle age people.**

1. **Which year did the company have the highest sales?**

Select year(o.OrderDate), sum(od.Qty \* mi.Price) as TotalSales

From Orders o, OrderDetail od, MenuItem mi

Where o.OrderID = od.OrderID

And mi.MenuItemID = od.MenuItemID

Group By 1

Order by 2 Desc

;

**#highest total sales was in 2019 ($21,215)**

1. **Which City has been the busiest this year?**

Select year(o.OrderDate), ci.RestCityName, Count(o.OrderID)

From City ci, RestaurantLocation rl, Orders o

Where ci.RestCityID = rl.RestCityID

And rl.RestLocationID = o.RestLocationID

Group By 1, 2

Order By 1 Desc, 3 Desc

;

**#San Francisco has the most orders this year with 52 orders**