

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

2. 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

3. 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 = o.CustID
```

```
Group By 2, 1
```

```
Order By 1 Desc
```

```
;
```

#3650 customers in 2022, 0 repeated in 2023

4. 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

5. 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

6. 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

7. 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.

8. 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)

9. 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