Queries

(Issues with query pasting is caused by parentheses)

1. **Shows the total sales values**

   SELECT SUM(SalePrice) AS TotalSales FROM Sales;

2. **Shows the number of sales of each menu item**

   SELECT ItemName, Category, COUNT(*) AS NumberOfSales FROM

   Sales GROUP BY ItemName, Category ORDER BY NumberOfSales

   DESC;

3. **Total sales by Category**

   SELECT Category, SUM(SalePrice) as TotalSalesperCategory

   FROM Sales

   GROUP BY Category

   ORDER BY TotalSalesperCategory DESC;

4. **Top 3 selling items**

   SELECT ItemName, COUNT(*) AS NumberOfSales

   FROM Sales

   GROUP BY ItemName

   ORDER BY NumberOfSales DESC

   LIMIT 3;

5. **Number of items sold**

   SELECT COUNT(itemname) FROM SALES;

6. **Most expensive items**

    SELECT ItemName, MAX(SalePrice) AS Price FROM Sales GROUP BY

    ITemName ORDER BY Price DESC LIMIT 10;

7. **Total spent by each customer**

    SELECT CustomerID, COUNT(*) AS TotalPurchases, SUM(SalePrice) AS

    GrossTotal

    FROM Sales

    GROUP BY CustomerID

    ORDER BY GrossTotal DESC;

8. **Total sales per week**

    SELECT DATE_TRUNC('week', SaleDate) AS WeekStart,

    SUM(SalePrice) AS TotalSales FROM Sales GROUP BY WeekStart

    ORDER BY WeekStart;

9. **Total Active Weeks**

    SELECT COUNT(DISTINCT DATE_TRUNC('week', SaleDate)) AS

    ActiveWeeks FROM Sales;

Special Queries

1.**Weekly Sales History**

    SELECT DATE_TRUNC('week', SaleDate) AS WeekStart, COUNT(*) AS

    NumberOfSales FROM Sales GROUP BY WeekStart ORDER BY WeekStart;

2. **Realistic Sales History**

```sql
SELECT  DATE_TRUNC('hour', SaleTime) AS SaleHour, COUNT(*) AS
OrderCount, SUM(SalePrice) AS TotalSales FROM Sales GROUP BY SaleHour
ORDER BY SaleHour;
```