



```
// 1) How many customers did we have each day?
```

```
SELECT DISTINCT date, COUNT(DISTINCT order_id) as Total_Orders  
FROM orders  
GROUP BY date
```

```
// 2) Were there any peak hours?
```

```
SELECT substring(Time, 0,4) as HOUR, COUNT(DISTINCT order_id) as Total_Orders  
FROM orders  
GROUP BY HOUR  
ORDER BY Total_Orders DESC;
```




```
// 3) How many pizzas were typically in an order?
```

```
WITH orders_ AS (  
  SELECT DISTINCT order_id, SUM(quantity) as Total_Pizzas  
  FROM order_details  
  GROUP BY order_id  
)  
SELECT ROUND(AVG(Total_Pizzas)) as Avg_Pizzas_per_Order  
FROM orders_
```

```
// 4) Do we have any bestsellers?
```

```
SELECT DISTINCT p.pizza_type_id, SUM(od.quantity) as Amount_Sold  
FROM order_details od  
JOIN pizzas p ON od.pizza_id = p.pizza_id  
GROUP BY p.pizza_type_id  
ORDER BY Amount_Sold DESC  
LIMIT 3;
```



```
// 5) How much money did we make this year?
```

```
WITH Profits AS (  
  SELECT DISTINCT od.pizza_id, SUM(od.quantity) as Total_Sold, SUM(od.quantity) * p.price as Money_Made  
  FROM order_details od  
  JOIN pizzas p ON od.pizza_id = p.pizza_id  
  GROUP BY od.pizza_id  
)  
SELECT '$ ' || SUM(Money_Made) as Total_Profit  
FROM Profits
```

```
// 6) Can we indentify any seasonality in the sales?
```

```
SELECT substring(Date, 5,4) as Month, COUNT(DISTINCT order_id) as Total_Orders  
FROM orders  
GROUP BY Month  
ORDER BY Total_Orders DESC;
```

// 7) What was the average total per order ?

```
WITH Order_Totals AS (  
  SELECT od.order_id, od.pizza_id, od.quantity, p.price, SUM(p.price) OVER (PARTITION BY od.order_id) as bill  
  FROM order_details od  
  JOIN pizzas p ON od.pizza_id = p.pizza_id  
  GROUP BY od.order_details_id  
)  
SELECT '$ ' || ROUND(AVG(bill),2) as AVERAGE_ORDER_TOTAL  
FROM Order_Totals
```

// 8) Which pizzas made us the most money ?

```
SELECT DISTINCT p.pizza_type_id, '$ ' || ROUND(SUM(p.price),2) as Revenue, SUM(od.quantity) as Amount_Sold  
FROM order_details od  
JOIN pizzas p ON od.pizza_id = p.pizza_id  
GROUP BY p.pizza_type_id  
ORDER BY Revenue DESC  
LIMIT 3;
```