



*Today's special*

# PIZZA



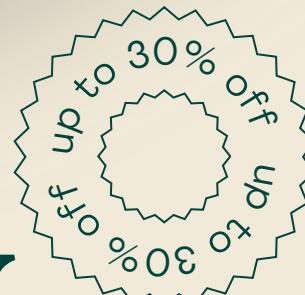
**ORDER NOW**

WWW.REALLYGREATSITE.COM



*Today's special*

# PIZZA



**ORDER NOW**

WWW.REALLYGREATSITE.COM

# PIZZA SALES

## Pizza Sales Data Description

This dataset tracks the sales and operational metrics of a fictional pizza chain to analyze business performance and customer preferences. It provides insights into sales trends, popular pizzas, and revenue distribution.

- **RELATED TABLES ARE:-**
- **ORDER\_DETAILS**
- **ORDERS**
- **PIZZA\_TYPES**
- **PIZZAS**

**--(1)RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.**

**--ANS:-**

```
SELECT COUNT(ORDER_ID) AS TOTAL_ORDERS  
FROM ORDERS
```

**--(2)CALCULATE THE TOTAL REVENUE  
GENERATED FROM PIZZA SALES.**

**--ANS:-**

```
SELECT ROUND(SUM(OD.QUANTITY * PZ.PRICE), 2) AS  
TOTAL_SALES  
FROM ORDER_DETAILS OD  
JOIN PIZZAS PZ  
ON PZ.PIZZA_ID = OD.PIZZA_ID
```

## --(3)IDENTIFY THE HIGHEST-PRICED PIZZA

--ANS:-

```
SELECT TOP 1
    PT.NAME,
    ROUND(PZ.PRICE, 2)
FROM PIZZA_TYPES PT
    JOIN PIZZAS PZ
        ON PT.PIZZA_TYPE_ID = PZ.PIZZA_TYPE_ID
ORDER BY PZ.PRICE DESC
```

**--(4)IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.**

**--ANS:-**

```
SELECT PZ.SIZE,  
       COUNT(OD.ORDER_DETAILS_ID) AS  
ORDER_COUNT  
FROM PIZZAS PZ  
JOIN ORDER_DETAILS OD  
  ON PZ.PIZZA_ID = OD.PIZZA_ID  
GROUP BY PZ.SIZE
```

**--(5)LIST THE TOP 5 MOST ORDERED PIZZA TYPES  
ALONG WITH THEIR QUANTITIES.**

**--ANS:-**

```
SELECT TOP 5
    PT.NAME,
    SUM(OD.QUANTITY) AS TOTAL_QUANTITY
FROM PIZZA_TYPES PT
JOIN PIZZAS PZ
    ON PT.PIZZA_TYPE_ID = PZ.PIZZA_TYPE_ID
JOIN ORDER_DETAILS OD
    ON OD.PIZZA_ID = PZ.PIZZA_ID
GROUP BY PT.NAME
ORDER BY TOTAL_QUANTITY DESC
```

**--(6)FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED.**

**--ANS:-**

```
SELECT PT.CATEGORY,  
       SUM(OD.QUANTITY) AS TOTAL_QUANTITY  
FROM PIZZA_TYPES PT  
      JOIN PIZZAS PZ  
        ON PT.PIZZA_TYPE_ID = PZ.PIZZA_TYPE_ID  
      JOIN ORDER_DETAILS OD  
        ON OD.PIZZA_ID = PZ.PIZZA_ID  
GROUP BY PT.CATEGORY  
ORDER BY TOTAL_QUANTITY DESC
```

**--(7) DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.**

**--ANS:-**

```
SELECT DATEPART(HOUR, TIME) AS ORDER_HOURS,  
       COUNT(ORDER_ID) AS ORDER_COUNT  
FROM ORDERS  
GROUP BY DATEPART(HOUR, TIME)  
ORDER BY ORDER_HOURS DESC
```

## --(8)FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.

--ANS:-

```
SELECT CATEGORY,  
       COUNT(NAME) AS NAME_COUNT  
FROM PIZZA_TYPES  
GROUP BY CATEGORY
```

**--(9)GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.**

**--ANS:-**

```
SELECT AVG(ORDER_QUANTITY) AS AVG_COUNT
FROM
(
    SELECT O.DATE,
           SUM(OD.QUANTITY) AS ORDER_QUANTITY
    FROM ORDERS O
        JOIN ORDER_DETAILS OD
          ON O.ORDER_ID = OD.ORDER_ID
    GROUP BY O.DATE
) A
```

**--(10) DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE.**

**--ANS:-**

```
SELECT TOP 3
    PT.NAME,
    SUM(OD.QUANTITY * PZ.PRICE) AS REVENUE
FROM PIZZA_TYPES PT
    JOIN PIZZAS PZ
        ON PT.PIZZA_TYPE_ID = PZ.PIZZA_TYPE_ID
    JOIN ORDER_DETAILS OD
        ON OD.PIZZA_ID = PZ.PIZZA_ID
GROUP BY PT.NAME
ORDER BY REVENUE DESC
```

**--(11)CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.**

**--ANS:-**

```
SELECT PT.CATEGORY,  
       SUM(OD.QUANTITY * PZ.PRICE) AS REVENUE  
FROM PIZZA_TYPES PT  
JOIN PIZZAS PZ  
    ON PT.PIZZA_TYPE_ID = PZ.PIZZA_TYPE_ID  
JOIN ORDER_DETAILS OD  
    ON OD.PIZZA_ID = PZ.PIZZA_ID  
GROUP BY PT.CATEGORY  
ORDER BY REVENUE DESC
```

## **--(12)ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.**

**--ANS:-**

```
SELECT DATE,
       SUM(REVENUE) OVER (ORDER BY DATE) AS CUMM_REVENUE
FROM
(
  SELECT O.DATE,
         SUM(OD.QUANTITY * PZ.PRICE) AS REVENUE
  FROM ORDER_DETAILS OD
  JOIN PIZZAS PZ
    ON OD.PIZZA_ID = PZ.PIZZA_ID
  JOIN ORDERS O
    ON OD.ORDER_ID = O.ORDER_ID
  GROUP BY O.DATE
) AS SALES
```

## --(13) DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY.

--ANS:-

```
SELECT NAME,
       REVENUE
  FROM (
    SELECT CATEGORY,
           NAME,
           REVENUE,
           RANK() OVER (PARTITION BY CATEGORY ORDER BY REVENUE DESC) AS RN
  FROM (
    SELECT PT.category,
           PT.NAME,
           SUM(OD.QUANTITY * PZ.PRICE) AS REVENUE
      FROM PIZZA_TYPES PT
      JOIN PIZZAS PZ
        ON PT.PIZZA_TYPE_ID = PZ.PIZZA_TYPE_ID
      JOIN ORDER_DETAILS OD
        ON OD.PIZZA_ID = PZ.PIZZA_ID
     GROUP BY PT.CATEGORY,
              PT.NAME
  ) AS A
 ) B
 WHERE RN <= 3
```