HOT & SPICY

PIZZA

**50%
OFF**

**ORDER
NOW!**

ABHISHEK PIZZABOX

RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

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

total_orders
21350

CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

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

Result Grid | Filter Rows:

total_sales
▶ 817860.05

IDENTIFY THE HIGHEST-PRICED PIZZA.

```
SELECT
PIZZA_TYPES.NAME, PIZZAS.PRICE
FROM
PIZZA_TYPES
JOIN
PIZZAS ON PIZZA_TYPES.PIZZA_TYPE_ID =
PIZZAS.PIZZA_TYPE_ID
ORDER BY PIZZAS.PRICE DESC
LIMIT 1;
```

name	price
The Greek Pizza	35.95

Result Grid   Filter Rows:

IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

```sql
SELECT
PIZZAS.SIZE,
COUNT(ORDER_DETAILS.ORDER_DETAILS_ID) AS
ORDER_COUNT
FROM
PIZZAS
JOIN
ORDER_DETAILS ON PIZZAS.PIZZA_ID =
ORDER_DETAILS.PIZZA_ID
GROUP BY PIZZAS.SIZE
ORDER BY ORDER_COUNT DESC;
```

size	count(order_details.order_details
M	15385
L	18526
S	14137
XL	544
XXL	28

LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

```sql
SELECT
PIZZA_TYPES.NAME, SUM(ORDER_DETAILS.QUANTITY) AS
QUANTITY
FROM
PIZZA_TYPES
JOIN
PIZZAS ON PIZZA_TYPES.PIZZA_TYPE_ID =
PIZZAS.PIZZA_TYPE_ID
JOIN
ORDER_DETAILS ON ORDER_DETAILS.PIZZA_ID =
PIZZAS.PIZZA_ID
GROUP BY PIZZA_TYPES.NAME
ORDER BY QUANTITY DESC
LIMIT 5;
```

name	quantity
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

JOIN THE NECESSARY TABLES TO FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED.

```sql
SELECT
PIZZA_TYPES.CATEGORY,
SUM(ORDER_DETAILS.QUANTITY) AS QUANTITY
FROM
PIZZA_TYPES
JOIN
PIZZAS ON PIZZA_TYPES.PIZZA_TYPE_ID =
PIZZAS.PIZZA_TYPE_ID
JOIN
ORDER_DETAILS ON ORDER_DETAILS.PIZZA_ID =
PIZZAS.PIZZA_ID
GROUP BY PIZZA_TYPES.CATEGORY
ORDER BY QUANTITY DESC;
```

category	quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

SELECT
HOUR(TIME), COUNT(ORDER_ID)
FROM
ORDERS
GROUP BY HOUR(TIME);

hour(time)	count(order_id)
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920

Result 1 ✕

JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.

SELECT
CATEGORY, COUNT(NAME)
FROM
PIZZA_TYPES
GROUP BY CATEGORY;

Result Grid | Filter Rows:

category	count(name)
Chicken	6
Classic	8
Supreme	9
Veggie	9

GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.

```
SELECT ROUND(AVG(QUANTITY),0)
FROM
(SELECT
ORDERS.DATE, SUM(ORDER_DETAILS.QUANTITY) AS
QUANTITY
FROM
ORDERS
JOIN ORDER_DETAILS ON ORDERS.ORDER_ID =
ORDER_DETAILS.ORDER_ID
GROUP BY ORDERS.DATE) AS ORDER_QUANTITY;
```

Result Grid | Filter Rows:

round(avg(quantity),0)
138

DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE.

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

Result Grid | Filter Rows:

name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5

CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.

```sql
SELECT
PIZZA_TYPES.CATEGORY,
ROUND(SUM(ORDER_DETAILS.QUANTITY * PIZZAS.PRICE) / (SELECT
ROUND(SUM(ORDER_DETAILS.QUANTITY * PIZZAS.PRICE),
2) AS TOTAL_SALES
FROM
ORDER_DETAILS
JOIN
PIZZAS ON PIZZAS.PIZZA_ID = ORDER_DETAILS.PIZZA_ID) *
100,
2) AS REVENUE
FROM
PIZZA_TYPES
JOIN
PIZZAS ON PIZZA_TYPES.PIZZA_TYPE_ID = PIZZAS.PIZZA_TYPE_ID
JOIN
ORDER_DETAILS ON ORDER_DETAILS.PIZZA_ID = PIZZAS.PIZZA_ID
GROUP BY PIZZA_TYPES.CATEGORY
ORDER BY REVENUE DESC;
```

Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68