

Delicious **PIZZA**



22 • DESCRIBE ORDERS;

	Field	Type	Null	Key	Default	Extra
▶	ORDER_ID	int	NO	PRI	NULL	
	ORDER_DATE	date	NO		NULL	
	ORDER_TIME	time	NO		NULL	

it's
Pizza

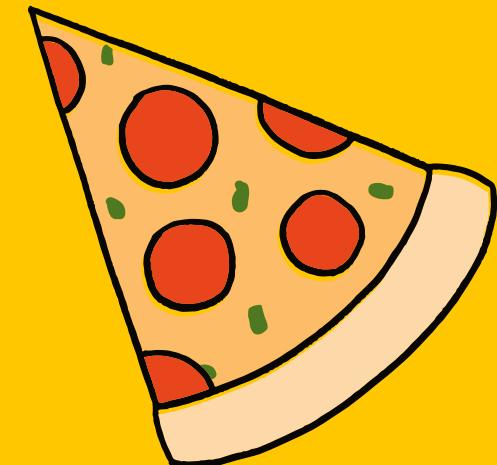
25 • DESCRIBE ORDERS_DETAILS;

	Field	Type	Null	Key	Default	Extra
▶	ORDER_DETAILS_ID	int	NO	PRI	NULL	
	ORDER_ID	int	NO		NULL	
	PIZZA_ID	text	NO		NULL	
	QUANTITY	int	NO		NULL	

28 • DESCRIBE PIZZA_TYPES;

Result Grid | Filter Rows: Export:

	Field	Type	Null	Key	Default	Extra
▶	pizza_type_id	text	YES		NULL	
	name	text	YES		NULL	
	category	text	YES		NULL	
	ingredients	text	YES		NULL	



31 • DESCRIBE PIZZAS;

Result Grid | Filter Rows: Export:

	Field	Type	Null	Key	Default	Extra
▶	pizza_id	text	YES		NULL	
	pizza_type_id	text	YES		NULL	
	size	text	YES		NULL	
	price	double	YES		NULL	

```
1 -- Retrieve the total number of orders placed  
2  
3 • SELECT  
4     COUNT(ORDER_ID) AS TOTAL_ORDERS  
5 FROM  
6 ORDERS;  
7
```

Result Grid	
<input type="button" value="Filter Rows:"/>	<input type="text"/>
▶	TOTAL_ORDERS 21350

```
1 -- Calculate the total revenue generated from pizza sales.  
2  
3 • SELECT  
4     ROUND(SUM(ORDERS_DETAILS.QUANTITY * PIZZAS.PRICE),  
5             2) AS TOTAL_SALES  
6 FROM  
7     ORDERS_DETAILS  
8         INNER JOIN  
9     PIZZAS ON PIZZAS.PIZZA_ID = ORDERS_DETAILS.PIZZA_ID;  
10
```

Result Grid	
<input type="button" value="Filter Rows:"/>	<input type="text"/>
▶	TOTAL_SALES 817860.05

```
1 -- Identify the highest-priced pizza.  
2  
3 • SELECT  
4     PIZZA_TYPES.NAME, PIZZAS.PRICE  
5 FROM  
6     PIZZA_TYPES  
7         INNER JOIN  
8     PIZZAS ON PIZZA_TYPES.PIZZA_TYPE_ID = PIZZAS.PIZZA_TYPE_ID  
9 ORDER BY PIZZAS.PRICE DESC  
10 LIMIT 1;  
11
```

Result Grid | Filter Rows: Export: Wrap Cell Content: Fetch rows:

NAME	PRICE
The Greek Pizza	35.95

```
1 -- Identify the most common pizza size ordered.  
2  
3 • SELECT  
4     PIZZAS.SIZE,  
5         COUNT(ORDERS_DETAILS.ORDER_DETAILS_ID) AS ORDER_COUNT  
6 FROM  
7     PIZZAS  
8         INNER JOIN  
9     ORDERS_DETAILS ON PIZZAS.PIZZA_ID = ORDERS_DETAILS.PIZZA_ID  
10 GROUP BY PIZZAS.SIZE  
11 ORDER BY ORDER_COUNT DESC  
12 LIMIT 1;
```

Result Grid | Filter Rows: Export: Wrap Cell Content: Fetch rows:

SIZE	ORDER_COUNT
L	18526



```
1 -- List the top 5 most ordered pizza types along with their quantities.  
2  
3 • SELECT  
4     PIZZA_TYPES.NAME, SUM(ORDERS_DETAILS.QUANTITY) AS QUANTITY  
5 FROM  
6     PIZZA_TYPES  
7     JOIN  
8     PIZZAS ON PIZZA_TYPES.PIZZA_TYPE_ID = PIZZAS.PIZZA_TYPE_ID  
9     JOIN  
10    ORDERS_DETAILS ON ORDERS_DETAILS.PIZZA_ID = PIZZAS.PIZZA_ID  
11 GROUP BY PIZZA_TYPES.NAME  
12 ORDER BY QUANTITY DESC  
13 LIMIT 5;  
14
```

Result Grid | Filter Rows:

	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



```
1 -- Join the necessary tables to find the total quantity of each pizza category ordered.  
2  
3 • SELECT  
4     PIZZA_TYPES.CATEGORY,  
5     SUM(ORDERS_DETAILS.QUANTITY) AS QUANTITY  
6 FROM  
7     PIZZA_TYPES  
8         INNER JOIN  
9     PIZZAS ON PIZZA_TYPES.PIZZA_TYPE_ID = PIZZAS.PIZZA_TYPE_ID  
10    INNER JOIN  
11    ORDERS_DETAILS ON ORDERS_DETAILS.PIZZA_ID = PIZZAS.PIZZA_ID  
12    GROUP BY PIZZA_TYPES.CATEGORY  
13    ORDER BY QUANTITY DESC;  
--  
  
Result Grid | Filter Rows:  Export:  Wrap Cell Content:   


| CATEGORY | QUANTITY |
|----------|----------|
| Classic  | 14888    |
| Supreme  | 11987    |
| Veggie   | 11649    |
| Chicken  | 11050    |


```

```
1 -- find the category-wise distribution of pizzas.  
2  
3 • SELECT CATEGORY,COUNT(NAME) FROM PIZZA_TYPES  
4 GROUP BY CATEGORY;  
--  
  
Result Grid | Filter Rows:  Export:  Wrap Cell Content:   


| CATEGORY | COUNT(NAME) |
|----------|-------------|
| Chicken  | 6           |
| Classic  | 8           |
| Supreme  | 9           |
| Veggie   | 9           |


```

```
1 -- Determine the distribution of orders by hour of the day.  
2  
3 • SELECT  
4     HOUR(ORDER_TIME) AS HOURS, COUNT(ORDER_ID) AS ORDER_COUNT  
5 FROM  
6     ORDERS  
7 GROUP BY HOURS;
```

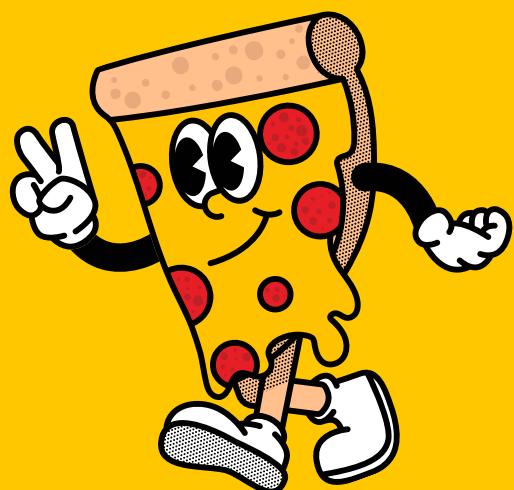
Result Grid | Filter Rows: Export: Wrap Cell Content:

HOURS	ORDER_COUNT
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1198
22	663
23	28
10	8
9	1

```
1 -- Group the orders by date and calculate the average number of pizzas ordered per day.
2
3 • SELECT
4     ROUND(AVG(QUANTITY), 0) AS AVG_PIZZA_ORDERED_PER_DAY
5 FROM
6     (SELECT
7         ORDERS.ORDER_DATE, SUM(ORDERS_DETAILS.QUANTITY) AS QUANTITY
8     FROM
9         ORDERS
10    INNER JOIN ORDERS_DETAILS ON ORDERS.ORDER_ID = ORDERS_DETAILS.ORDER_ID
11    GROUP BY ORDERS.ORDER_DATE) AS ORDER_QUANTITY;
12
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

AVG_PIZZA_ORDERED_PER_DAY
138



```
1 -- Determine the top 3 most ordered pizza types based on revenue.  
2  
3 • SELECT  
4     PIZZA_TYPES.NAME,  
5     SUM(ORDERS_DETAILS.QUANTITY * PIZZAS.PRICE) AS REVENUE  
6 FROM  
7     PIZZA_TYPES  
8         INNER JOIN  
9     PIZZAS ON PIZZA_TYPES.PIZZA_TYPE_ID = PIZZAS.PIZZA_TYPE_ID  
10        INNER JOIN  
11    ORDERS_DETAILS ON PIZZAS.PIZZA_ID = ORDERS_DETAILS.PIZZA_ID  
12 GROUP BY PIZZA_TYPES.NAME  
13 ORDER BY REVENUE DESC  
14 LIMIT 3;
```

Result Grid | Filter Rows: Export: Wrap Cell Content: Fetch rows:

	NAME	REVENUE
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5

```
1 -- Calculate the percentage contribution of each pizza type to total revenue.
2
3 • SELECT
4     PIZZA_TYPES.CATEGORY,
5     ROUND(SUM(ORDERS_DETAILS.QUANTITY * PIZZAS.PRICE) / (SELECT
6     ROUND(SUM(ORDERS_DETAILS.QUANTITY * PIZZAS.PRICE),
7             2) AS TOTAL_SALES
8
9     FROM
10    ORDERS_DETAILS
11    INNER JOIN
12    PIZZAS ON PIZZAS.PIZZA_ID = ORDERS_DETAILS.PIZZA_ID) * 100, 2) AS REVENUE
13
14     FROM
15    PIZZA_TYPES
16    INNER JOIN
17    PIZZAS ON PIZZA_TYPES.PIZZA_TYPE_ID = PIZZAS.PIZZA_TYPE_ID
18    INNER JOIN
19    ORDERS_DETAILS ON PIZZAS.PIZZA_ID = ORDERS_DETAILS.PIZZA_ID
20    GROUP BY PIZZA_TYPES.CATEGORY
21    ORDER BY REVENUE DESC;
```

result Grid | Filter Rows: Export: Wrap Cell Content:

CATEGORY	REVENUE
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68