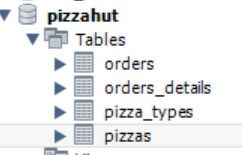
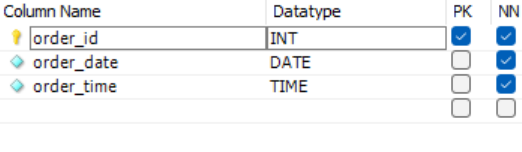
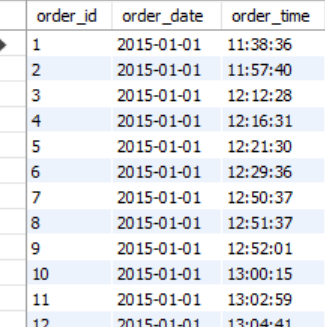
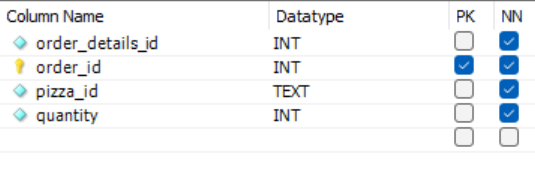
Create database pizzahut:

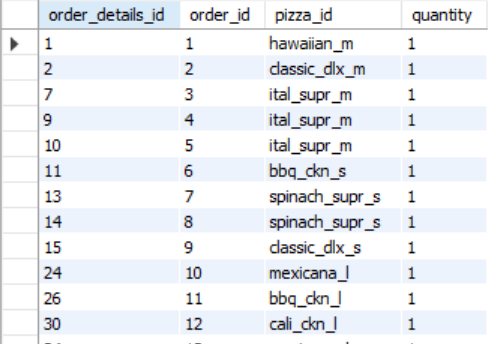


create table orders

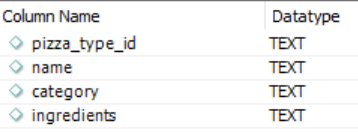
create table orders\_details





create table pizza\_types





**-- 1 Retrieve the total number of orders placed**

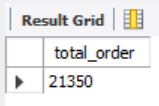
**SELECT**

**COUNT(order\_id) AS total\_order**

**FROM**

**orders;**

**OUTPUT :**

****

-- 2 **Calculate the total revenue generated from pizza sales**

S**ELECT**

**ROUND(SUM(orders\_details.quantity \* pizzas.price),**

**2) AS Total\_sales**

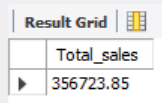
**FROM**

**orders\_details**

**JOIN**

**pizzas ON pizzas.pizza\_id = orders\_details.pizza\_id;**

**OUTPUT :**

****

**-- 3 Identify the highest priced pizza**

**SELECT**

**pizza\_types.name, pizzas.price**

**FROM**

**pizza\_types**

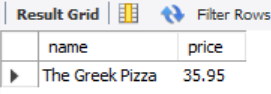
**JOIN**

**pizzas ON pizza\_types.pizza\_type\_id = pizzas.pizza\_type\_id**

**ORDER BY pizzas.price DESC**

**LIMIT 1;**

**OUTPUT:**

****

**-- 4 Identify the most common size of pizza ordered**

**SELECT**

**pizzas.size,**

**COUNT(orders\_details.order\_details\_id) AS order\_count**

**FROM**

**pizzas**

**JOIN**

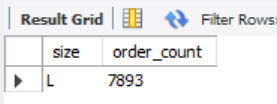
**orders\_details ON pizzas.pizza\_id = orders\_details.pizza\_id**

**GROUP BY pizzas.size**

**ORDER BY order\_count DESC**

**LIMIT 1;**

**OUTPUT :**

****

**-- 5 List the 5 topmost ordered pizza type along with their quantities**

**SELECT**

**pizza\_types.name, SUM(orders\_details.quantity) AS quantity**

**FROM**

**pizza\_types**

**JOIN**

**pizzas ON pizza\_types.pizza\_type\_id = pizzas.pizza\_type\_id**

**JOIN**

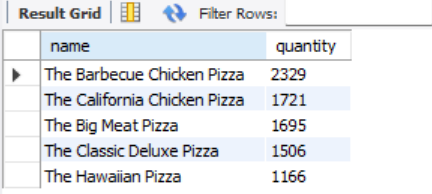
**orders\_details ON orders\_details.pizza\_id = pizzas.pizza\_id**

**GROUP BY pizza\_types.name**

**ORDER BY quantity DESC**

**LIMIT 5;**

**OUTPUT :**

****

**-- 6 Join the necessary tables to find the total quantity of each pizza category ordered.**

**SELECT**

**pizza\_types.category,**

**SUM(orders\_details.quantity) AS quantity**

**FROM**

**pizza\_types**

**JOIN**

**pizzas ON pizza\_types.pizza\_type\_id = pizzas.pizza\_type\_id**

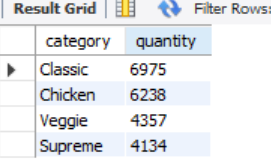
**JOIN**

**orders\_details ON orders\_details.pizza\_id = pizzas.pizza\_id**

**GROUP BY pizza\_types.category**

**ORDER BY quantity DESC ;**

**OUTPUT:**

****

**-- 7 Determine the distribution of orders by hours of the day.**

**SELECT**

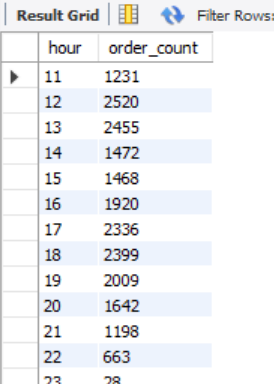
**HOUR(order\_time) AS hour, COUNT(order\_id) AS order\_count**

**FROM**

**orders**

**GROUP BY HOUR(order\_time);**

**OUTPUT:**

****

**-- 8 Join relevant tables to find the category-wise distribution of pizzas.**

**SELECT**

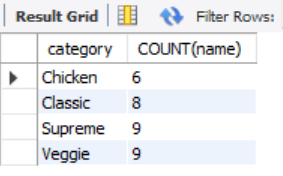
**category, COUNT(name)**

**FROM**

**pizza\_types**

**GROUP BY category;**

**OUTPUT:**

****