#### 1.Create table

```
MySQL Workbench
SQL1 ×
File Edit View Query Database Server Tools Scripting Help
 @ <u>___</u>
 1 • create database if not exists pizzahut;
                 3 • ○ create table orders (
                 order_id int not null,
order_date date not null,
order_time time not null,
                 7 primary key(order_id)
8 );
                 9
                 order_details_id int not null,
order_id int not null,
pizza_id text not null,
                 14 quantity int not null,
                 primary key(order_details_id)
primary key(order_details_id)
                 17
                 18
                 19
                 20
                 21
                 22
                 23
```

# 2.Total number of orders placed

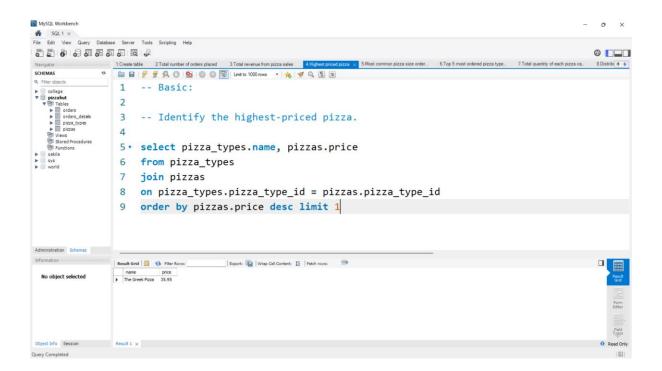
```
MvSOL Workbench
SQL 1 ×
File Edit View Query Database Server Tools Scripting Help
 @ |
 Navigator 1. Create table 2 Total number of orders placed 3. Total revenue from pizza sales 4. Highest priced pizza 5. Most common pizza size order. 6. Top 5 most ordered pizza type. 7. Total quantity of each pizza ca. 8. Distribit 4. S
                      1
                            -- Basic:
                      2
                      3
                           -- Retrieve the total number of orders placed.
                     5 • select count(order_id) as total_orders
                      6 from orders
 Administration Schemas
                                                Export: 📳 | Wrap Cell Content: 🍱
                     No object selected
```

### 3.Total revenue from pizza sales

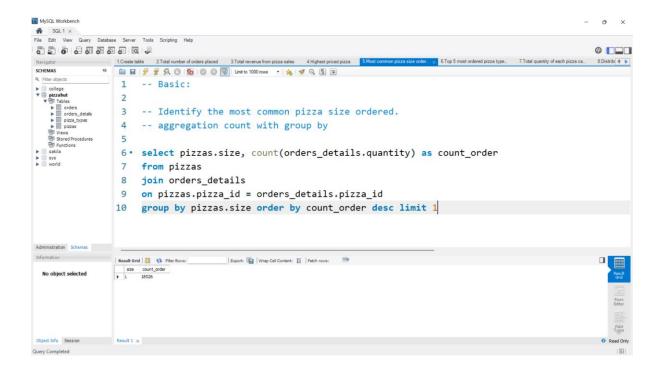
```
MySQL Workbench
-- Basic:
           1
           3
             -- Calculate the total revenue generated from pizza sales.
           5 • select round(sum(orders_details.quantity * pizzas.price), 2) as total_revenue
           6 from orders_details
           7
             join pizzas
           8 on orders_details.pizza_id = pizzas.pizza_id;
           9
           10
           11
           12
           13
          Result Grid
                       Export: Wrap Cell Content: IA
          total_revenue

817860.05
```

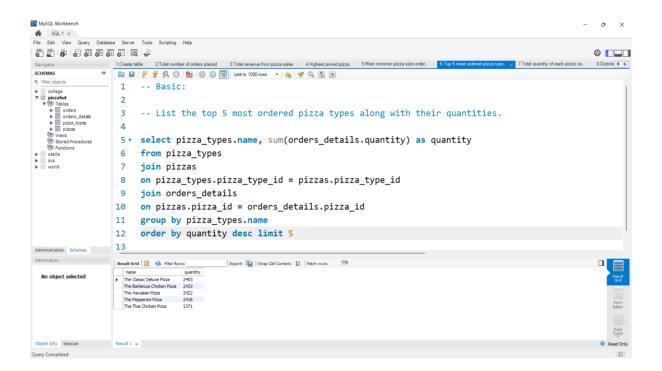
# 4. Highest priced pizza



#### 5.Most common pizza size ordered



# 6.Top 5 most ordered pizza types with quantities



### 7.Total quantity of each pizza category ordered

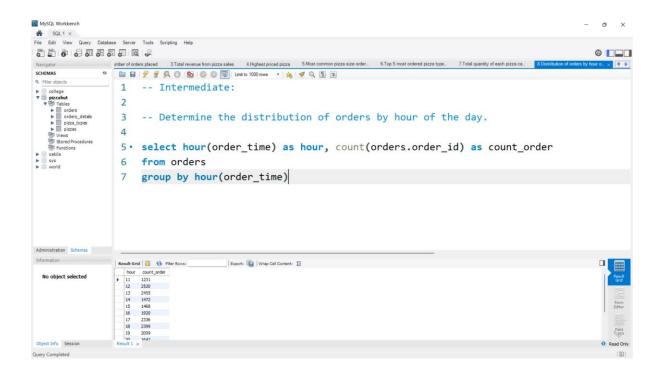
```
MySQL Workbench
★ SQL1 x
File Edit View Query Database Server Tools Scripting Help
 @ <u>___</u>
     pator: 1 Create table 2. Total number of orders placed 3. Total revenue from pizza sales 4. Highest priced pizza 5. Most common pizza size order... 6. Top 5 most ordered pizza type... 7 Total MAS

4 

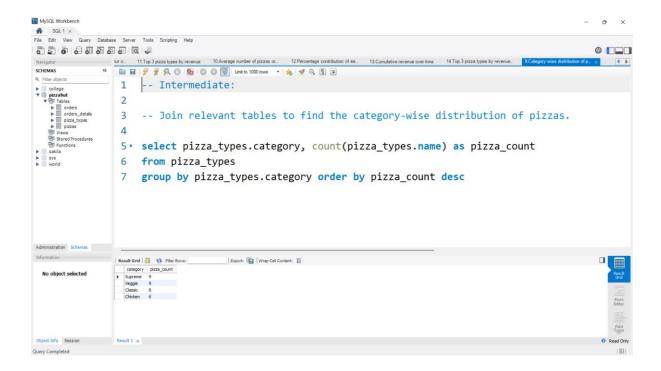
1 Create table 2. Total number of orders placed 3. Total revenue from pizza sales 4. Highest priced pizza 5. Most common pizza size order... 6. Top 5 most ordered pizza type... 7 Total MAS
                                                                                                                                                                     8.Distribi 4 🍦
                         1
                              -- Intermediate:
                         3
                              -- Join the necessary tables to find the total quantity of each pizza category ordered.
                         5. select pizza types.category, sum(orders details.quantity) as order quantity
                         6 from pizza_types
                         7 join pizzas
                         8     on pizza_types.pizza_type_id = pizzas.pizza_type_id
                         9
                               join orders_details
                        on pizzas.pizza_id = orders_details.pizza_id
                        11 group by pizza_types.category
                        12 order by order_quantity desc limit 5
                                                        Export: Wrap Cell Content: IA
                        Result Grid
                       category order_quantity

Classic 14888
Supreme 11987
Veggie 11649
Chicken 11050
```

# 8.Distribution of orders by hour of the day



#### 9.Category-wise distribution of pizzas



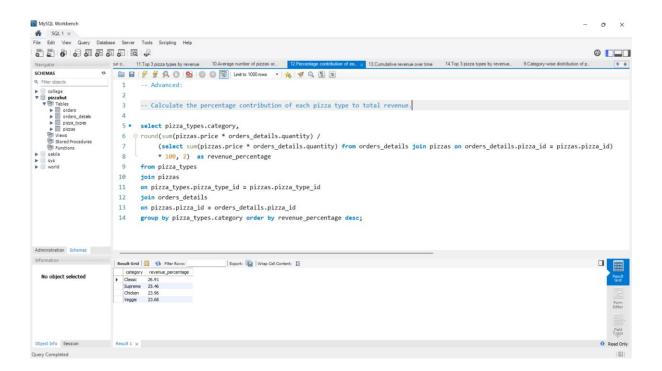
# 10. Average number of pizzas ordered per day

```
MvSQL Workbench
                                                                                                      o ×
Navigator SCHEMAS Sur O. 11.Top 3 pizza types by revenue
                                             x 12.Percentage contribution of ea... 13.Cumulative revenue over time 14.Top 3 pizza types by revenue... 9.Category-wise distribution of p...
                                                                                                        4 +
              1
                   -- Intermediate:
                   -- Group the orders by date and calculate the average number of pizzas ordered per day.
               3
               4
               5 • select round(avg(order_count), 0) as avg
               6 from
               8 from orders
               9  join orders_details
10  on orders.order_id = orders_details.order_id
               group by orders.order_date order by order_count) as order_quantity
               12
               13
Administration Schemas
                                 Export: Wrap Cell Content: 1
              Result Grid
 No object selected
```

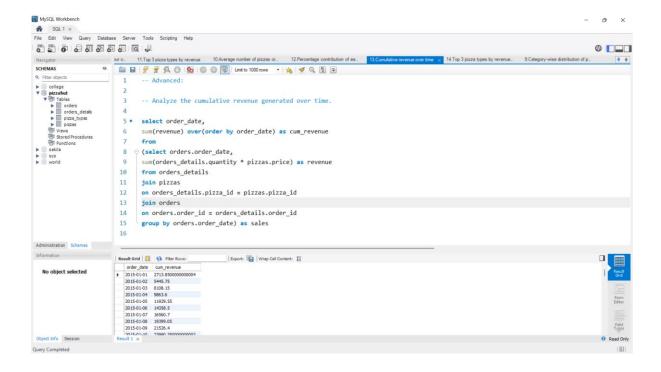
### 11. Top 3 pizza types by revenue

```
MySQL Workbench
★ SQL1 x
File Edit View Query Database Server Tools Scripting Help
 Ø ...
              2UF 0. 11.Top 3 p
                 xur o. 111rag 3 pizza types by revenue v 10 Average number of pizzas or. 12 Percentage contribution of ea. 13 Cumulative revenue over time 14 Top 3 pizza types by revenue. 9 Category-wise distribution of p.
                  1 -- Intermediate:
                  2
                  3
                       -- Determine the top 3 most ordered pizza types based on revenue.
                  4
                  5 • select pizza_types.name, sum(orders_details.quantity*pizzas.price) as revenue
                  6 from pizza_types
                  7 join pizzas
                  8 on pizza_types.pizza_type_id = pizzas.pizza_type_id
                  9 join orders_details
                  10 on pizzas.pizza_id = orders_details.pizza_id
                 11 group by pizza_types.name order by revenue desc limit 3
 Administration Schemas
                 Export: Wrap Cell Content: 15 | Fetch rows:
```

# 12. Percentage contribution of each pizza type to total revenue



#### 13.Cumulative revenue over time



# 14.Top 3 pizza types by revenue for each category

