Task:

order_id	customer_name	food_item	category	quantity	price	order_date	restaurant
1	Arjun	Pizza	Fast Food	2	500	2025-01-05	Domino's
2	Sneha	Burger	Fast Food	3	450	2025-01-06	McDonald's
3	Rahul	Biryani	Main Course	1	250	2025-01-07	Paradise
4	Priya	Dosa	South Indian	2	200	2025-01-08	Saravana Bh.
5	Kiran	Pasta	Italian	1	300	2025-01-09	Olive Garden
6	Aditi	Sandwich	Snacks	2	220	2025-01-10	Subway
7	Ramesh	Salad	Healthy	1	150	2025-01-11	Fresh Bowl
8	Kavya	Ice Cream	Dessert	3	180	2025-01-12	Cream Stone
9	Manoj	Noodles	Chinese	2	240	2025-01-13	Mainland Ch.
10	Meera	Paneer Curry	Main Course	1	280	2025-01-14	Bikanervala

GROUP BY & Aggregates

1. **Find the total sales amount for each restaurant.**

```
145 •   select  restaurant,sum(quantity * price) as salesamt
146     from food_orders
147     group by  restaurant;
148
```

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

restaurant	salesamt
Domino's	1000.00
McDonald's	1350.00
Paradise	250.00
Saravana Bh.	400.00
Olive Garden	300.00
Subway	440.00
Fresh Bowl	150.00
Cream Stone	540.00
Mainland Ch.	480.00
Bikanervala	280.00

Result 2

2.Show the average price of food items per category.

```
148
149 •   select category,avg(price) as fooditems
150     from food_orders
151     group by category;
152
153
```

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

category	fooditems
Fast Food	475.000000
Main Course	265.000000
South Indian	200.000000
Italian	300.000000
Snacks	220.000000
Healthy	150.000000
Dessert	180.000000
Chinese	240.000000

Result 5

3.Count how many orders were placed for each food category.

```
152
153 •   select category,count( quantity) as orderplaced
154     from food_orders
155     group by category;
156
157
```

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

category	orderplaced
Fast Food	2
Main Course	2
South Indian	1
Italian	1
Snacks	1
Healthy	1
Dessert	1
Chinese	1

Result 6

4. Find the maximum quantity ordered for each food item.

```
157 •  select food_item,max(quantity) as maxquty
158    from food_orders
159    group by food_item;
160
161
162
```

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

food_item	maxquty
Pizza	2
Burger	3
Biryani	1
Dosa	2
Pasta	1
Sandwich	2
Salad	1
Ice Cream	3
Noodles	2
Paneer Curry	1

Result 7 ×

5. Show the total amount spent by each customer.

```
160
161 •  select customer_name,sum(quantity * price) as totalamt
162    from food_orders
163    group by customer_name;
164
165
```

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

customer_name	totalamt
Arjun	1000.00
Sneha	1350.00
Rahul	250.00
Priya	400.00
Kiran	300.00
Aditi	440.00
Ramesh	150.00
Kavya	540.00
Manoj	480.00
Meera	280.00

Result 8 ×

HAVING

6. Find restaurants with total sales greater than 800.

```
167 •   select restaurant,sum(quantity) as totalsales
168     from food_orders
169     group by restaurant
170     having totalsales > 800;
171
172
```

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

restaurant	totalsales

7. Show customers who spent more than 500 in total.

```
171
172 •   select customer_name,sum(price) as total
173     from food_orders group by customer_name having total >500;
174
175
```

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

customer_name	total

8. Find food categories where the average item price > 250.

```
179
180 •   select category,avg(price) as avgitemprice
181     from food_orders group by category having avgitemprice >250;
182
```

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

category	avgitemprice
Fast Food	475.000000
Main Course	265.000000
Italian	300.000000

9. Get restaurants with more than 2 orders.

```
177  select restaurant,count(order_id) as orders
178  from food_orders group by restaurant having orders>2;
179
180
```

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

restaurant	orders

10. Show categories where the total quantity ordered > 4.

```
180
181  select category,sum(quantity) as quantityorder
182  from food_orders group by category having quantityorder >4;
```

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

category	quantityorder
Fast Food	5

ORDER BY

11. List all orders by price descending.

```
183
184 •  select * from food_orders
185    order by price desc;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

order_id	customer_name	food_item	category	quantity	price	order_date	restaurant
1	Arjun	Pizza	Fast Food	2	500.00	2025-01-05	Domino's
2	Sneha	Burger	Fast Food	3	450.00	2025-01-06	McDonald's
5	Kiran	Pasta	Italian	1	300.00	2025-01-09	Olive Garden
10	Meera	Paneer Curry	Main Course	1	280.00	2025-01-14	Bikanervala
3	Rahul	Biryani	Main Course	1	250.00	2025-01-07	Paradise
9	Manoj	Noodles	Chinese	2	240.00	2025-01-13	Mainland Ch.
6	Aditi	Sandwich	Snacks	2	220.00	2025-01-10	Subway
4	Priya	Dosa	South Indian	2	200.00	2025-01-08	Saravana Bh.
8	Kavya	Ice Cream	Dessert	3	180.00	2025-01-12	Cream Stone
7	Ramesh	Salad	Healthy	1	150.00	2025-01-11	Fresh Bowl
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

food_orders 17 ×

12. Show customers ordered by their total spending.

```
187 •  select customer_name,sum(quantity * price) as totalprice
188    from food_orders
189    group by customer_name
190    order by totalprice;
```

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

customer_name	totalprice
Ramesh	150.00
Rahul	250.00
Meera	280.00
Kiran	300.00
Priya	400.00
Aditi	440.00
Manoj	480.00
Kavya	540.00
Arjun	1000.00
Sneha	1350.00

Result 19 ×

13. Display restaurants ordered by total quantity sold.

```
192 •   select restaurant,sum(quantity) as totalquty
193     from food_orders
194     group by restaurant
195     order by totalquty;
```

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

restaurant	totalquty
Paradise	1
Olive Garden	1
Fresh Bowl	1
Bikanervala	1
Domino's	2
Saravana Bh.	2
Subway	2
Mainland Ch.	2
McDonald's	3
Cream Stone	3

14. Show the top 3 highest-priced food items.

```
198 •   select * from food_orders
199     order by price desc limit 3;
200
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cel

order_id	customer_name	food_item	category	quantity	price	order_date	restaurant
1	Arjun	Pizza	Fast Food	2	500.00	2025-01-05	Domino's
2	Sneha	Burger	Fast Food	3	450.00	2025-01-06	McDonald's
5	Kiran	Pasta	Italian	1	300.00	2025-01-09	Olive Garden
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

15. List orders sorted by order_date (latest first).

```
198 •   select * from food_orders
199     order by order_date desc;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

order_id	customer_name	food_item	category	quantity	price	order_date	restaurant
10	Meera	Paneer Curry	Main Course	1	280.00	2025-01-14	Bikanervala
9	Manoj	Noodles	Chinese	2	240.00	2025-01-13	Mainland Ch.
8	Kavya	Ice Cream	Dessert	3	180.00	2025-01-12	Cream Stone
7	Ramesh	Salad	Healthy	1	150.00	2025-01-11	Fresh Bowl
6	Aditi	Sandwich	Snacks	2	220.00	2025-01-10	Subway
5	Kiran	Pasta	Italian	1	300.00	2025-01-09	Olive Garden
4	Priya	Dosa	South Indian	2	200.00	2025-01-08	Saravana Bh.
3	Rahul	Biryani	Main Course	1	250.00	2025-01-07	Paradise
2	Sneha	Burger	Fast Food	3	450.00	2025-01-06	McDonald's
1	Arjun	Pizza	Fast Food	2	500.00	2025-01-05	Domino's
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

16. Show the first 5 orders from the table.

```
201 •  select * from food_orders
202    limit 5;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell

order_id	customer_name	food_item	category	quantity	price	order_date	restaurant
1	Arjun	Pizza	Fast Food	2	500.00	2025-01-05	Domino's
2	Sneha	Burger	Fast Food	3	450.00	2025-01-06	McDonald's
3	Rahul	Biryani	Main Course	1	250.00	2025-01-07	Paradise
4	Priya	Dosa	South Indian	2	200.00	2025-01-08	Saravana Bh.
5	Kiran	Pasta	Italian	1	300.00	2025-01-09	Olive Garden
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

17. Get the top 3 most expensive orders.

```
201 •  select * from food_orders
202    order by price desc
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Ce

order_id	customer_name	food_item	category	quantity	price	order_date	restaurant
1	Arjun	Pizza	Fast Food	2	500.00	2025-01-05	Domino's
2	Sneha	Burger	Fast Food	3	450.00	2025-01-06	McDonald's
5	Kiran	Pasta	Italian	1	300.00	2025-01-09	Olive Garden
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

18. Skip the first 3 rows and show the next 4 orders.

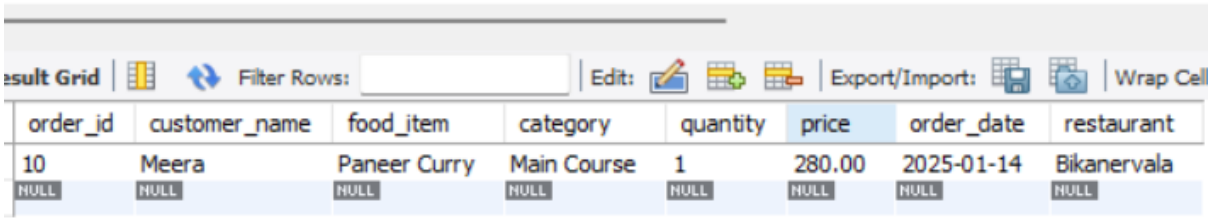
```
202 •  select*from food_orders
203    limit 4 offset 3;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell

order_id	customer_name	food_item	category	quantity	price	order_date	restaurant
4	Priya	Dosa	South Indian	2	200.00	2025-01-08	Saravana Bh.
5	Kiran	Pasta	Italian	1	300.00	2025-01-09	Olive Garden
6	Aditi	Sandwich	Snacks	2	220.00	2025-01-10	Subway
7	Ramesh	Salad	Healthy	1	150.00	2025-01-11	Fresh Bowl
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

19. Find the second highest-priced food item using LIMIT + OFFSET.

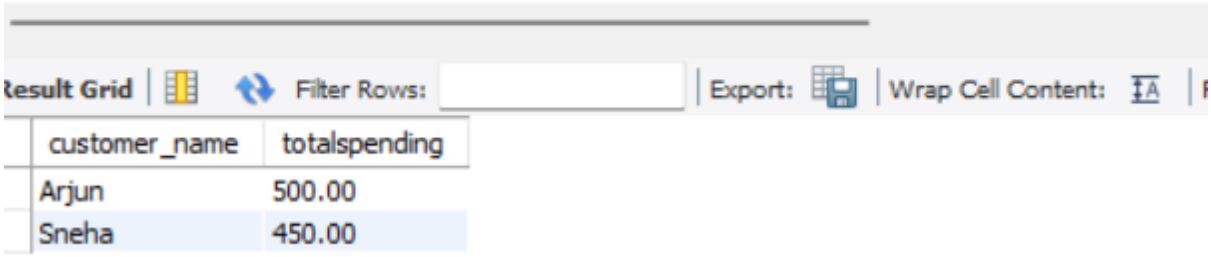
```
92 •  select*from food_orders
93    order by price desc
94    limit 1 offset 3;
```



order_id	customer_name	food_item	category	quantity	price	order_date	restaurant
10	Meera	Paneer Curry	Main Course	1	280.00	2025-01-14	Bikanervala
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

20. Show the top 2 customers by total spending.

```
206 •  select customer_name,sum(price)  as totalspending
207    from food_orders
208    group by customer_name order by totalspending desc limit 2;
```



customer_name	totalspending
Arjun	500.00
Sneha	450.00

Combined Questions (on Food Orders table)

21. Find the total spending by each customer, but show only those who spent more than ₹500, ordered by spending descending.

```
211
212 •  select customer_name,sum(price)  as totalspending
213    from food_orders
214    group by customer_name
215    having totalspending >500
216    order by totalspending desc;
```

customer_name	totalspending

22. Show the top 3 food categories with the highest total sales amount.

```
218 •  select category,sum(quantity * price) as totalsaleamt from food_orders
219    group by category
220    order by totalsaleamt desc
221    limit 3;
```

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

category	totalsaleamt
Fast Food	2350.00
Dessert	540.00
Main Course	530.00

23. Find the restaurants where average price > 250, ordered by average price descending.

```
218 •  select restaurant,avg(price) as avgprice
219    from food_orders
220    group by restaurant
221    having avgprice>250
222    order by avgprice desc;
```

Result Grid | Filter Rows: | Export: | Wrap

restaurant	avgprice
Domino's	500.000000
McDonald's	450.000000
Olive Garden	300.000000
Bikanervala	280.000000

24. Show the top 2 customers who placed the highest quantity of food items (using GROUP BY + ORDER BY + LIMIT).

```
224 •  select customer_name,sum(quantity) as totalquantity
225    from food_orders group by customer_name
226    order by totalquantity desc
227    limit 2;
```

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

customer_name	totalquantity
Sneha	3
Kavya	3

25. Find the restaurant with the maximum total sales, but skip the top 1 and show the second highest restaurant (using LIMIT + OFFSET).

```
227 •  select restaurant,sum(quantity) as maxtotalsales
228    from food_orders group by restaurant
229    order by maxtotalsales desc
230    limit 1 offset 1;
```

Result Grid | Filter Rows: | Export: | Wrap Ce

restaurant	maxtotalsales
Cream Stone	3

26. List the categories with more than 2 total orders, ordered by total quantity sold.

```
231
232 •  select category,count(order_id) AS totalorders,
233    sum(quantity) as totalqutysold from food_orders
234    group by category having count(order_id) > 2
235    order by totalqutysold desc;
```

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

category	totalorders	totalqutysold

27. Find the top 3 food items by total sales amount, grouped by food_item, ordered descending.

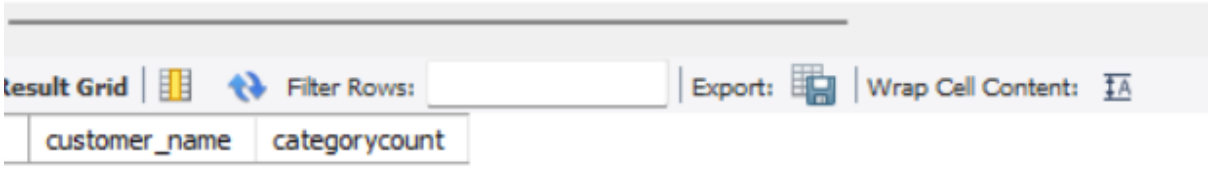
```
237 •  select food_item, sum(price * quantity) as totalsales
238    from food_orders
239    group by food_item
240    order by totalsales desc
241    limit 3;
```

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

food_item	totalsales
Burger	1350.00
Pizza	1000.00
Ice Cream	540.00

28. Show customers who ordered more than 2 different categories, ordered by the count of categories descending.

```
237
238 •  select customer_name, count(distinct category) as categorycount
239    from food_orders
240    group by customer_name
241    having count(distinct category) > 2
242    order by categorycount desc;
243
```



customer_name	categorycount