



PROJECT

**Restaurant Sales Analytics with
MySQL.**



OBJECTIVES :

- ☐ Analyze sales performance.
- ☐ Optimize menu offerings.
- ☐ Monitor sales trends.
- ☐ Monitor revenue insights.
- ☐ Improve operational efficiency.
- ☐ Identify grow opportunities.



DATA ANALYSIS WITH THE HELP OF SQL QUERIES.


```
1 # DISPLAY FIRST 5 RECORDS OF THE TABLE.
2 • SELECT * FROM restaurant_database.restaurant LIMIT 5 ;
```



Result Grid



Filter Rows:

Export:



Wrap Cell Content:



Fetch rows:



	OrderID	Item	SubCategory	Quantity	TotalAmount (₹,₹)	PaymentMethod	TransactionDate	TransactionTime	MonthName	DayName
▶	O100	Sushi	Beverage	4	1180	Credit Card	08-09-2024	15:20:16	September	Sunday
	O101	Soft Drink	Beverage	3	1338	Cash	20-09-2024	14:32:56	September	Friday
	O102	Sandwich	Side	3	1200	Credit Card	03-09-2024	18:08:15	September	Tuesday
	O103	Tacos	Beverage	3	1467	Cash	12-09-2024	18:23:12	September	Thursday
	O104	Salad	Side	4	1168	UPI	17-09-2024	21:08:33	September	Tuesday

```
1 # Group by Hour (Order Count by Hour).
2 • SELECT Hour(TransactionTime), COUNT(OrderByID) AS OrderCount
3 FROM Restaurant
4 GROUP BY Hour(TransactionTime)
5 ORDER BY OrderCount DESC;
```



Result Grid



Filter Rows:

Export:



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	Hour(TransactionTime)	OrderCount
▶	19	8
	15	7
	13	7
	10	5
	12	5
	17	4
	18	3
	16	3
	14	2
	21	2
	20	2
	11	2

```
1 # Group by Day Name (Order Count by Day of the Week).
2 • SELECT DayName, COUNT(OrderID) AS OrderCount
3 FROM Restaurant
4 GROUP BY DayName
5 ORDER BY OrderCount DESC;
6
```

<   Filter Rows: | Export:  | Wrap Cell Content: 

	DayName	OrderCount
▶	Monday	12
	Sunday	10
	Friday	7
	Thursday	7
	Wednesday	7
	Tuesday	5
	Saturday	2


```
1      # Group by Payment Method (Order Count by Payment Mode)
2  •    SELECT PaymentMethod, COUNT(OrderID) AS OrderCount
3      FROM Restaurant
4      GROUP BY PaymentMethod
5      ORDER BY OrderCount DESC;
6
```

<

Result Grid



Filter Rows:

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	PaymentMethod	OrderCount
▶	UPI	15
	Cash	13
	Debit Card	13
	Credit Card	9

```
1 # Group by Food Item Category (Order Count by Food Item Category)
2 • SELECT Item, COUNT(OrderID) AS OrderCount
3 FROM Restaurant
4 GROUP BY Item
5 ORDER BY OrderCount DESC;
6
```

< Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	Item	OrderCount
▶	Fries	9
	Sushi	7
	Tacos	7
	Soft Drink	6
	Sandwich	4
	Salad	4
	Pasta	4
	Pizza	4
	Burger	3
	Steak	2


```
1      # Group by Subcategory (Order Count by Subcategory)
2  •    SELECT SubCategory, COUNT(OrderID) AS OrderCount
3      FROM Restaurant
4      GROUP BY SubCategory
5      ORDER BY OrderCount DESC;
6
```



Result Grid



Filter Rows:

Export:



Wrap Cell Content:




	SubCategory	OrderCount
▶	Beverage	20
	Side	17
	Main	13

```

1      # Group by Day Name and Food Item (Order Count by Day and Food Item)
2      •  SELECT DayName, Item, COUNT(OrderID) AS OrderCount
3      FROM Restaurant
4      GROUP BY DayName, Item
5      ORDER BY DayName, OrderCount DESC;
6

```

Result Grid			
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	DayName	Item	OrderCount
▶	Friday	Tacos	2
	Friday	Sushi	2
	Friday	Soft Drink	1
	Friday	Fries	1
	Friday	Salad	1
	Monday	Pizza	3
	Monday	Soft Drink	2
	Monday	Sushi	2
	Monday	Fries	2
	Monday	Tacos	1
	Monday	Sandwich	1
	Monday	Pasta	1
	Saturday	Salad	1
	Saturday	Tacos	1
	Sunday	Fries	4
	Sunday	Sushi	2
	Sunday	Pasta	1
	Sunday	Tacos	1
	Sunday	Pizza	1
	Sunday	Steak	1
	Thursday	Soft Drink	2
	Thursday	Fries	2
	Thursday	Pasta	2
	Thursday	Tacos	1

```

1      # Group by Day Name and Food Item (Order Count by Day and Food Item)
2      • SELECT DayName, Item, COUNT(OrderID) AS OrderCount
3      FROM Restaurant
4      GROUP BY DayName, Item
5      ORDER BY DayName, OrderCount DESC;
6

```

Result Grid			
Filter Rows:			
Export:			
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DayName	Item	OrderCount	
Monday	Sandwich	1	
Monday	Pasta	1	
Saturday	Salad	1	
Saturday	Tacos	1	
Sunday	Fries	4	
Sunday	Sushi	2	
Sunday	Pasta	1	
Sunday	Tacos	1	
Sunday	Pizza	1	
Sunday	Steak	1	
Thursday	Soft Drink	2	
Thursday	Fries	2	
Thursday	Pasta	2	
Thursday	Tacos	1	
Tuesday	Sandwich	2	
Tuesday	Burger	2	
Tuesday	Salad	1	
Wednes...	Salad	1	
Wednes...	Soft Drink	1	
Wednes...	Sandwich	1	
Wednes...	Steak	1	
Wednes...	Tacos	1	
Wednes...	Burger	1	
Wednes...	Sushi	1	


```
1      # Total Sales by Payment Method.
2  •    SELECT PaymentMethod, SUM(TotalAmount) AS TotalSales
3      FROM Restaurant
4      GROUP BY PaymentMethod
5      ORDER BY TotalSales DESC;
6
```



Result Grid



Filter Rows:

Export:



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	PaymentMethod	TotalSales
▶	Credit Card	12499.00
	UPI	12232.00
	Cash	11546.00
	Debit Card	11358.00

```
1 # Total Sales by Hour.  
2 • SELECT HOUR(TransactionTime) AS Hour, SUM(TotalAmount) AS TotalSales  
3 FROM Restaurant  
4 GROUP BY HOUR(TransactionTime)  
5 ORDER BY TotalSales DESC;  
6
```

<

Result Grid



Filter Rows:

Export:






Wrap Cell Content:



	Hour	TotalSales
▶	19	9580.00
	13	7955.00
	15	5840.00
	17	3940.00
	16	3931.00
	18	3512.00
	12	3470.00
	10	2874.00
	21	2513.00
	20	1721.00
	14	1590.00
	11	709.00

```
1      # Total Sales by Day of the Week.  
2  ●    SELECT DayName, SUM(TotalAmount) AS TotalSales  
3      FROM Restaurant  
4      GROUP BY DayName  
5      ORDER BY TotalSales DESC;
```

<	Result Grid		 Filter Rows: <input type="text"/>	Export: 	Wrap Cell Con
	DayName	TotalSales			
▶	Monday	11941.00			
	Sunday	9534.00			
	Friday	8839.00			
	Wednesday	5626.00			
	Thursday	5252.00			
	Tuesday	3780.00			
	Saturday	2663.00			


```
1 # Total Sales by Food Item and Sub Category.
2 • SELECT Item, Subcategory, SUM(TotalAmount) AS TotalSales
3 FROM Restaurant
4 GROUP BY Item, Subcategory
5 ORDER BY TotalSales DESC;
```

<

Result Grid



Filter Rows:

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Wrap Cell Content:



	Item	Subcategory	TotalSales
▶	Tacos	Beverage	11309.00
	Fries	Side	8907.00
	Soft Drink	Beverage	5867.00
	Salad	Side	4974.00
	Pizza	Main	4611.00
	Sushi	Beverage	4395.00
	Sandwich	Side	2354.00
	Pasta	Main	2073.00
	Steak	Main	1649.00
	Burger	Main	1496.00

Conclusion :

- ❑ Monday is the busiest sales day, with the highest number of transactions while Saturday sees the least sales.
- ❑ Most orders are placed around 7:00 PM highlighting peak dining hours while 11:00 AM sees least.
- ❑ Fries are the most ordered food item while beverages are the most favoured food sub category.

PROJECT BY :

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