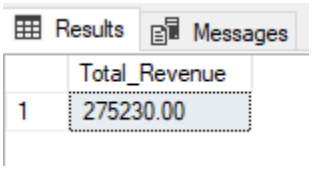
Balaji Fast Food Sales SQL Queries

KPI's

1. Total Revenue

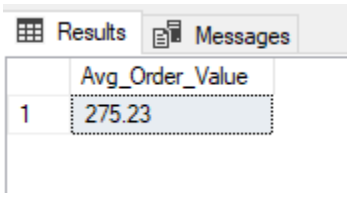
```
SELECT CAST(SUM(transaction_amount) AS DECIMAL(10,2)) AS Total_Revenue FROM Fast_Food;
```



	Total_Revenue
1	275230.00

2. Average Order Value

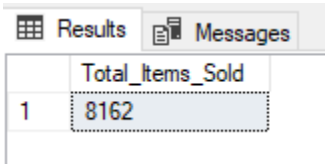
```
SELECT CAST(CAST(SUM(transaction_amount) AS DECIMAL (10,2)) / CAST(COUNT(order_id) AS
DECIMAL (10,2)) AS DECIMAL (10,2)) AS Avg_Order_Value FROM Fast_Food;
```



	Avg_Order_Value
1	275.23

3. Total Items Sold

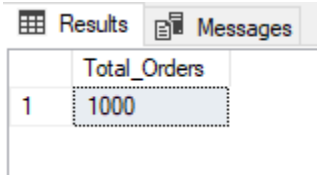
```
SELECT SUM(quantity) AS Total_Items_Sold FROM Fast_Food;
```



	Total_Items_Sold
1	8162

4. Total Orders

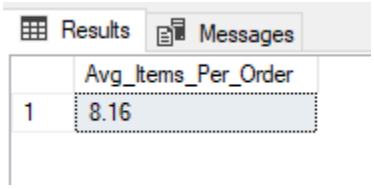
```
SELECT COUNT(order_id) AS Total_Orders FROM Fast_Food;
```



	Total_Orders
1	1000

5. Average Items Per Order

```
SELECT CAST(CAST(SUM(quantity)AS DECIMAL(10,2)) / CAST(COUNT(order_id)AS DECIMAL(10,2))
AS DECIMAL(10,2)) AS Avg_Items_Per_Order FROM Fast_Food;
```



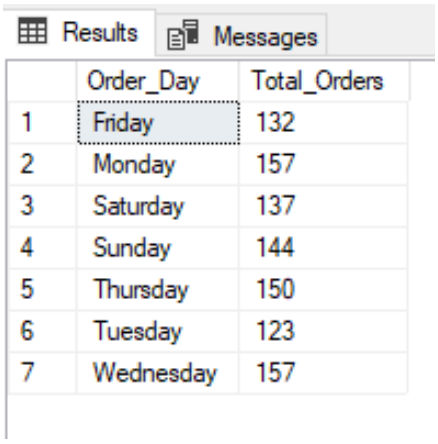
Results | Messages

	Avg_Items_Per_Order
1	8.16

CHARTS

1. Daily Trend for Total Orders

```
SELECT DATENAME(DW, date) AS Order_Day, COUNT(order_id) AS TotaL_Orders FROM Fast_Food
GROUP BY DATENAME(DW, date);
```

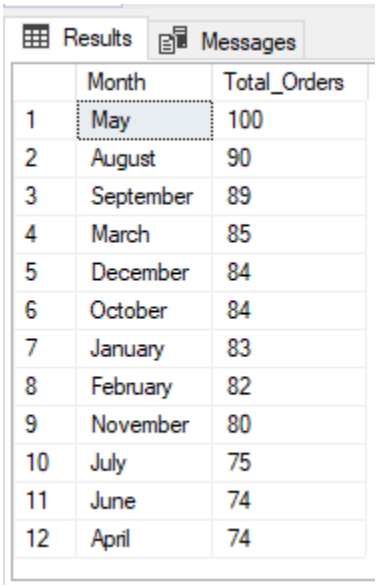


Results | Messages

	Order_Day	Total_Orders
1	Friday	132
2	Monday	157
3	Saturday	137
4	Sunday	144
5	Thursday	150
6	Tuesday	123
7	Wednesday	157

2. Monthly Trend for Total Orders

```
SELECT DATENAME(MONTH, date) AS Month, COUNT(order_id) AS Total_Orders FROM Fast_Food
GROUP BY DATENAME(MONTH, date)
ORDER BY Total_Orders DESC;
```

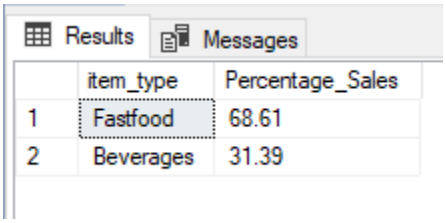


Results | Messages

	Month	Total_Orders
1	May	100
2	August	90
3	September	89
4	March	85
5	December	84
6	October	84
7	January	83
8	February	82
9	November	80
10	July	75
11	June	74
12	April	74

3. Percentage of Sales by Item_type (category)

```
SELECT item_type, CAST(CAST(SUM(transaction_amount) * 100 AS DECIMAL(10,2)) /
CAST((SELECT SUM(transaction_amount) FROM Fast_Food) AS DECIMAL(10,2)) AS DECIMAL(10,2))
AS Percentage_Sales
FROM Fast_Food
GROUP BY item_type;
```



Results | Messages

	item_type	Percentage_Sales
1	Fastfood	68.61
2	Beverages	31.39

```
-------------------------------------------------------------------------------------------
--Note--For January--

SELECT item_type, CAST(CAST(SUM(transaction_amount) * 100 AS DECIMAL(10,2)) /
CAST((SELECT SUM(transaction_amount) FROM Fast_Food WHERE MONTH(date) = 1) AS
DECIMAL(10,2)) AS DECIMAL(10,2)) AS Percentage_Sales
FROM Fast_Food
WHERE MONTH(date) = 1
GROUP BY item_type;
```

Results Messages

	item_type	Percentage_Sales
1	Beverages	25.66
2	Fastfood	74.34

```
--Note--For Quarter 1--
SELECT item_type, CAST(CAST(SUM(transaction_amount) * 100 AS DECIMAL(10,2)) /
CAST((SELECT SUM(transaction_amount) FROM Fast_Food WHERE DATEPART(quarter, date) = 1) AS
DECIMAL(10,2)) AS DECIMAL(10,2)) AS Percentage_Sales
FROM Fast_Food
WHERE DATEPART(quarter, date) = 1
GROUP BY item_type;
```

Results Messages

	item_type	Percentage_Sales
1	Beverages	32.33
2	Fastfood	67.67

```
-------------------------------------------------------------------------------------------

SELECT item_type, SUM(transaction_amount) AS Total_Sales,
CAST(CAST(SUM(transaction_amount) * 100 AS DECIMAL(10,2)) / CAST((SELECT
SUM(transaction_amount) FROM Fast_Food) AS DECIMAL(10,2)) AS DECIMAL(10,2)) AS
Percentage_Sales
FROM Fast_Food
GROUP BY item_type;
```

Results Messages

	item_type	Total_Sales	Percentage_Sales
1	Fastfood	188840	68.61
2	Beverages	86390	31.39

4. Percentage of Sales by Received_By (Gender)

```
SELECT received_by, CAST(CAST(SUM(transaction_amount) * 100 AS DECIMAL(10,2)) /
CAST((SELECT SUM(transaction_amount) FROM Fast_Food) AS DECIMAL(10,2)) AS DECIMAL(10,2))
AS Percentage_Sales
FROM Fast_Food
GROUP BY received_by;
```

Results Messages

	received_by	Percentage_Sales
1	Mrs.	47.88
2	Mr.	52.12

```
SELECT received_by, SUM(transaction_amount) AS Total_Sales,
CAST(CAST(SUM(transaction_amount) * 100 AS DECIMAL(10,2)) / CAST((SELECT
SUM(transaction_amount) FROM Fast_Food) AS DECIMAL(10,2)) AS DECIMAL(10,2)) AS
Percentage_Sales
FROM Fast_Food
GROUP BY received_by;
```

Results Messages

	received_by	Total_Sales	Percentage_Sales
1	Mrs.	131790	47.88
2	Mr.	143440	52.12

5. Percentage of Sales by Transaction_Type (Online/Cash/Null)

```
SELECT transaction_type, CAST(CAST(SUM(transaction_amount) * 100 AS DECIMAL(10,2)) /
CAST((SELECT SUM(transaction_amount) FROM Fast_Food) AS DECIMAL(10,2)) AS DECIMAL(10,2))
AS Percentage_Sales
FROM Fast_Food
GROUP BY transaction_type;
```

Results Messages

	transaction_type	Percentage_Sales
1	Online	40.18
2	NULL	11.55
3	Cash	48.27

```
SELECT transaction_type, SUM(transaction_amount) AS Total_Sales,
CAST(CAST(SUM(transaction_amount) * 100 AS DECIMAL(10,2)) / CAST((SELECT
SUM(transaction_amount) FROM Fast_Food) AS DECIMAL(10,2)) AS DECIMAL(10,2)) AS
Percentage_Sales
FROM Fast_Food
GROUP BY transaction_type;
```

Results | Messages

	transaction_type	Total_Sales	Percentage_Sales
1	Online	110595	40.18
2	NULL	31795	11.55
3	Cash	132840	48.27

6. Percentage of Sales by Time_Of_Sales

```
SELECT time_of_sale, CAST(CAST(SUM(transaction_amount) * 100 AS DECIMAL(10,2)) /
CAST((SELECT SUM(transaction_amount) FROM Fast_Food) AS DECIMAL(10,2)) AS DECIMAL(10,2))
AS Percentage_Sales
FROM Fast_Food
GROUP BY time_of_sale;
```

Results | Messages

	time_of_sale	Percentage_Sales
1	Evening	19.02
2	Morning	19.52
3	Midnight	18.43
4	Afternoon	20.47
5	Night	22.55

```
SELECT time_of_sale, SUM(transaction_amount) AS Total_Sales,
CAST(CAST(SUM(transaction_amount) * 100 AS DECIMAL(10,2)) / CAST((SELECT
SUM(transaction_amount) FROM Fast_Food) AS DECIMAL(10,2)) AS DECIMAL(10,2)) AS
Percentage_Sales
FROM Fast_Food
GROUP BY time_of_sale;
```

Results | Messages

	time_of_sale	Total_Sales	Percentage_Sales
1	Evening	52355	19.02
2	Morning	53730	19.52
3	Midnight	50725	18.43
4	Afternoon	56345	20.47
5	Night	62075	22.55

7. Top Selling Items by Revenue

```
SELECT item_name, SUM(transaction_amount) AS Total_Revenue FROM Fast_Food
GROUP BY item_name
ORDER BY Total_Revenue DESC;
```

Results | Messages

	item_name	Total_Revenue
1	Sandwich	65820
2	Frankie	57500
3	Cold coffee	54440
4	Sugarcane juice	31950
5	Panipuri	24520
6	Aalopuri	20880
7	Vadapav	20120

8. Bottom Selling Items by Revenue

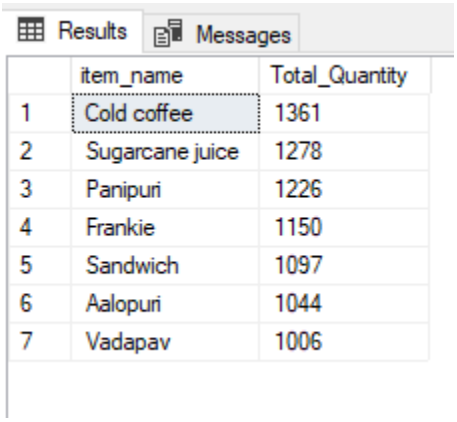
```
SELECT item_name, SUM(transaction_amount) AS Total_Revenue FROM Fast_Food
GROUP BY item_name
ORDER BY Total_Revenue ASC;
```

Results | Messages

	item_name	Total_Revenue
1	Vadapav	20120
2	Aalopuri	20880
3	Panipuri	24520
4	Sugarcane juice	31950
5	Cold coffee	54440
6	Frankie	57500
7	Sandwich	65820

9. Top Selling Items by Quantity

```
SELECT item_name, SUM(quantity) AS Total_Quantity FROM Fast_Food
GROUP BY item_name
ORDER BY Total_Quantity DESC;
```

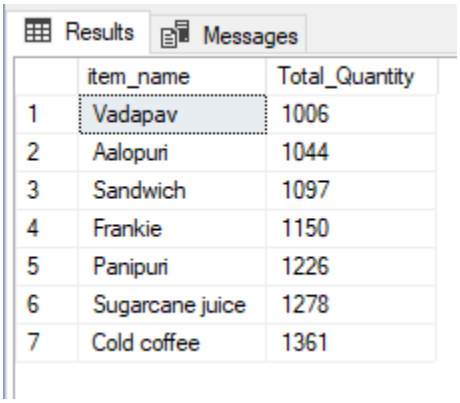


Results | Messages

	item_name	Total_Quantity
1	Cold coffee	1361
2	Sugarcane juice	1278
3	Panipuri	1226
4	Frankie	1150
5	Sandwich	1097
6	Aalopuri	1044
7	Vadapav	1006

10. Bottom Selling Items by Quantity

```
SELECT item_name, SUM(quantity) AS Total_Quantity FROM Fast_Food
GROUP BY item_name
ORDER BY Total_Quantity ASC;
```



Results | Messages

	item_name	Total_Quantity
1	Vadapav	1006
2	Aalopuri	1044
3	Sandwich	1097
4	Frankie	1150
5	Panipuri	1226
6	Sugarcane juice	1278
7	Cold coffee	1361

11. Top Selling Items by Number of Orders

```
SELECT item_name, COUNT(order_id) AS Total_Orders FROM Fast_Food
GROUP BY item_name
ORDER BY Total_Orders DESC;
```

Results Messages

	item_name	Total_Orders
1	Cold coffee	161
2	Sugarcane juice	153
3	Panipuri	150
4	Frankie	139
5	Vadapav	134
6	Aalopuri	134
7	Sandwich	129

12. Bottom Selling Items by Number of Orders

```
SELECT item_name, COUNT(order_id) AS Total_Orders FROM Fast_Food
GROUP BY item_name
ORDER BY Total_Orders ASC;
```

Results Messages

	item_name	Total_Orders
1	Sandwich	129
2	Aalopuri	134
3	Vadapav	134
4	Frankie	139
5	Panipuri	150
6	Sugarcane juice	153
7	Cold coffee	161