**Blinkit Analysis**

In our Case study Blinkit: Grocery Product Analysis, we have a table named **'Grocery Sales'** with 12 columns including Item\_Identifier, Item\_Weight, Item\_Fat\_Content, Item\_Visibility, Item\_Type, Item\_MRP, Outlet\_Identifier, Outlet\_Establishment\_Year, Outlet\_Size, Outlet\_Location\_Type, Outlet\_Type and Item\_Outlet\_Sales. This table contains data on the sales of various grocery items across different outlets of Blinkit.

Using SQL queries in this case study, you'll gain insights into customer behavior and preferences like frequently purchased items, sales trends for specific categories, and customer feedback. These insights will help you improve operations and customer satisfaction, such as increasing sales, improving product offerings based on customer preferences, and enhancing store layout and product placement.

The table Grocery Sales is a .CSV file and has the following columns, details of which are as follows:

* **Item\_Identifier:** A unique ID for each product in the dataset.
* **Item\_Weight:** The weight of the product.
* **Item\_Fat\_Content:** Indicates whether the product is low fat or not.
* **Item\_Identifier:** A unique ID for each product in the dataset.
* **Item\_Weight:** The weight of the product.
* **Item\_Fat\_Content:** Indicates whether the product is low fat or not.
* **Item\_Visibility:** The percentage of the total display area in the store that is allocated to the specific product.
* **Item\_Type:** The category or type of product.
* **Item\_MRP:** The maximum retail price (list price) of the product.
* **Outlet\_Identifier:** A unique ID for each store in the dataset.
* **Outlet\_Establishment\_Year:** The year in which the store was established.
* **Outlet\_Size:** The size of the store in terms of ground area covered.
* **Outlet\_Location\_Type:** The type of city or region in which the store is located.
* **Outlet\_Type:** Indicates whether the store is a grocery store or a supermarket.
* **Item\_Outlet\_Sales:** The sales of the product in the particular store. This is the outcome variable that we want to predict.

**Queries Written -**

1. Import Data from table Grocery Sales using the provided CSV File.
2. Write an SQL query to show all Item\_Identifier
3. Write an SQL query to show count of total Item\_Identifier.
4. Write an SQL query to show maximum Item Weight.
5. Write an SQL query to show minimum Item Weight.
6. Write an SQL query to show average Item\_Weight.
7. Write an SQL query to show count of Item\_Fat\_Content WHERE Item\_Fat\_Content is Low Fat.
8. Write an SQL query to show count of Item\_Fat\_Content WHERE Item\_Fat\_Content is Regular.
9. Write an SQL query to show maximum Item\_MRP
10. Write an SQL query to show minimum Item\_MRP
11. Write an SQL query to show Item\_Identifier , Item\_Fat\_Content ,Item\_Type, Item\_MRP whose Item\_MRP is greater than 200.
12. Write an SQL query to show maximum Item\_MRP WHERE Item\_Fat\_Content is Low Fat
13. Write an SQL query to show minimum Item\_MRP whose Item\_Fat\_Content is Low Fat
14. Write an SQL query to show ALL DATA WHERE item MRP is BETWEEN 50 to 100
15. Write an SQL query to show ALL UNIQUE value of Item\_Fat\_Content
16. Write an SQL query to show ALL UNIQUE value of Item\_Type
17. Write an SQL query to show ALL DATA in descending ORDER by Item MRP
18. Write an SQL query to show ALL DATA in ascending ORDER by Item\_Outlet\_Sales
19. Write an SQL query to show ALL DATA in ascending by Item\_Type
20. Write an SQL query to show DATA of item\_type dairy & Meat
21. Write an SQL query to show ALL UNIQUE value of Outlet\_Size
22. Write an SQL query to show ALL UNIQUE value of Outlet\_Location\_Type
23. Write an SQL query to show ALL UNIQUE value of Outlet\_Type
24. Write an SQL query to show count of number of items by Item\_Type and order it in descending order
25. Write an SQL query to show count of number of items by Outlet\_Size and ordered it in ascending order
26. Write an SQL query to show count of number of items by Outlet\_Type and ordered it in descending order.
27. Write an SQL query to show count of items by Outlet\_Location\_Type and order it indescending order
28. Write an SQL query to show maximum MRP by Item\_Type
29. Write an SQL query to show minimum MRP by Item\_Type
30. Write an SQL query to show minimum MRP by Outlet\_Establishment\_Year and order it in descending order.
31. Write an SQL query to show maximum MRP by Outlet\_Establishment\_Year and order it in descending order.
32. Write an SQL query to show average MRP by Outlet\_Size and order it in descending order.
33. Write an SQL query to Average MRP by Outlet\_Type and ordered in ascending order.
34. Write an SQL query to show maximum MRP by Outlet\_Type
35. Write an SQL query to show maximum Item\_Weight by Item\_Type
36. Write an SQL query to show maximum Item\_Weight by Outlet\_Establishment\_Year
37. Write an SQL query to show minimum Item\_Weight by Outlet\_Type
38. Write an SQL query to show average Item\_Weight by Outlet\_Location\_Type and arrange it by descending order
39. Write an SQL query to show maximum Item\_Outlet\_Sales by Item\_Type
40. Write an SQL query to show minimum Item\_Outlet\_Sales by Item\_Type
41. Write an SQL query to show minimum Item\_Outlet\_Sales by Outlet\_Establishment\_Year
42. Write an SQL query to show maximum Item\_Outlet\_Sales by Outlet\_Establishment\_Year and order it by descending order
43. Write an SQL query to show average Item\_Outlet\_Sales by Outlet\_Size and order it it descending order
44. Write an SQL query to show average Item\_Outlet\_Sales by Outlet\_Type
45. Write an SQL query to show maximum Item\_Outlet\_Sales by Outlet\_Type
46. Write an SQL query to show total Item\_Outlet\_Sales by Item\_Type
47. Write an SQL query to show total Item\_Outlet\_Sales by Item\_Fat\_Content
48. Write an SQL query to show maximum Item\_Visibility by Item\_Type
49. Write an SQL query to show Minimum Item\_Visibility by Item\_Type
50. Write an SQL query to show total Item\_Outlet\_Sales by Item\_Type but only WHERE Outlet\_Location\_Type is Tier 1
51. Write an SQL query to show total Item\_Outlet\_Sales by Item\_Type WHERE Item\_Fat\_Content is ONLY Low Fat & LF