# *SQL Project*

# *Big Mart Sales Analysis*

## *Data Description:*

- Item_Identifier: Unique product ID
- Item_Weight: Weight of product
- Item_Fat_Content: Whether the product is low fat or not
- Item_Visibility: The % of total display area of all products in a store allocated to the particular product
- Item_Type: The category to which the product belongs
- Item_MRP: Maximum Retail Price (list price) of the product
- Outlet_Identifier: Unique store ID
- Outlet_Establishment_Year: The year in which store was established
- Outlet_Size: The size of the store in terms of ground area covered
- Outlet_Location_Type: The type of city in which the store is located
- Outlet_Type: Whether the outlet is just a grocery store or some sort of supermarket
- Item_Outlet_Sales: Sales of the product in the particulat store. This is the outcome variable to be predicted.

# *Answer the questions below with SQL Query*

1. **WRITE a sql query to show all Item_Identifier**
2. **WRITE a sql query to show count of total Item_Identifier**
3. **WRITE a sql query to show maximum Item Weight**
4. **WRITE a query to show minimun Item Weight**
5. **WRITE a query to show average Item_Weight**
6. **WRITE a query to show count OF Item_Fat_Content WHERE Item_Fat_Content IS Low Fat**
7. **WRITE a query to show count OF Item_Fat_Content WHERE Item_Fat_Content IS Regular**
8. **WRITE a query TO show maximum Item_MRP**

9. WRITE a query TO show minimum Item_MRP
10. WRITE a query to show Item_Identifier , Item_Fat_Content ,Item_Type,Item_MRP and Item_MRP IS greater than 200
11. WRITE a query to show maximum Item_MRP WHERE Item_Fat_Content IS Low Fat
12. WRITE a query to show minimum Item_MRp AND Item_Fat_Content IS Low Fat
13. WRITE a query to show ALL DATA WHERE item MRP IS BETWEEN 50 TO 100
14. WRITE a query to show ALL UNIQUE value Item_Fat_Content
15. WRITE a query to show ALL UNIQUE value Item_Type
16. WRITE a query to show ALL DATA IN descending ORDER BY Item MRP
17. WRITE a query to show ALL DATA IN ascending ORDER BY Item_Outlet_Sales
18. WRITE a query to show ALL DATA IN ascending BY Item_Type
19. WRITE a query to show DATA OF item_type dairy & Meat
20. WRITE a query to show ALL UNIQUE value OF Outlet_Size
21. WRITE a query to show ALL UNIQUE value OF Outlet_Location_Type
22. WRITE a query to show ALL UNIQUE value OF Outlet_Type
23. WRITE a query to show count NO. OF item BY Item_Type AND ordered it IN descending
24. WRITE a query to show count NO. OF item BY Outlet_Size AND ordered it IN ascending
25. WRITE a query to show count NO. OF item BY
26. WRITE a query to show count NO. OF item BY Outlet_Type AND ordered it IN descending
27. WRITE a query to show count of item BY Outlet_Location_Type AND ordered it IN descending
28. WRITE a query to show maximum MRP BY Item_Type
29. WRITE a query to show minimum MRP BY Item_Type
30. WRITE a query to show minimum MRP BY Outlet_Establishment_Year AND ordered it IN descending
31. WRITE a query to show maximum MRP BY Outlet_Establishment_Year AND ordered IN descending

32. WRITE a query to show average MRP BY Outlet_Size AND ordered IN descending
33. WRITE a query to show average MRP BY Outlet_Size
34. WRITE a query to show Average MRP BY Outlet_Type AND ordered IN ascending
35. WRITE a query to show maximum MRP BY Outlet_Type
36. WRITE a query to show maximum Item_Weight BY Item_Type
37. WRITE a query to show maximum Item_Weight BY Outlet_Establishment_Year
38. WRITE a query to show minimum Item_Weight BY Outlet_Type
39. WRITE a query to show average Item_Weight BY Outlet_Location_Type ORDER BY descending
40. WRITE a query to show maximum Item_Outlet_Sales BY Item_Type
41. WRITE a query to show minimum Item_Outlet_Sales BY Item_Type
42. WRITE a query to show minimum Item_Outlet_Sales BY Outlet_Establishment_Year
43. WRITE a query to show maximum Item_Outlet_Sales BY Outlet_Establishment_Year ordered BY descending
44. WRITE a query to show average Item_Outlet_Sales BY Outlet_Size AND ORDER it itn descending
45. WRITE a query to show average Item_Outlet_Sales BY Outlet_Size
46. WRITE a query to show average Item_Outlet_Sales BY Outlet_Type
47. WRITE a query to show maximum Item_Outlet_Sales BY Outlet_Type
48. WRITE a query to show total Item_Outlet_Sales BY
49. WRITE a query to show total Item_Outlet_Sales BY Item_Type
50. WRITE a query to show total Item_Outlet_Sales BY
51. WRITE a query to show total Item_Outlet_Sales BY Item_Fat_Content
52. WRITE a query to show maximum Item_Visibility BY Item_Type
53. WRITE a query to show Minimum Item_Visibility BY Item_Type
54. WRITE a query to show total Item_Outlet_Sales BY Item_Type but ONLY WHERE Outlet_Location_Type IS Tier 1
55. WRITE a query to show total Item_Outlet_Sales BY Item_Type WHERE Item_Fat_Content IS ONLY Low Fat & LF