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| **Task 1:- Understanding the Data** |
|  | **1. Describe the data in hand in your own words.** |
|  |  |
|  | This database contains Sales details of transaction of a superstore. |
|  | The structure has 5 tables |
|  |  |
|  | I. Cust\_dimen (containing details about customer and their respective  locations) |
|  |  |
|  | Customer\_Name (TEXT): Name of the customer |
|  | Province (TEXT): Province of the customer |
|  | Region (TEXT): Region of the customer |
|  | Customer\_Segment (TEXT): Segment of the customer |
|  | Cust\_id (TEXT): Unique Customer ID |
|  |  |
|  | II. Prod\_dimen (containing product category and their subcategories) |
|  |  |
|  | Product\_Category (TEXT): Product Category |
|  | Product\_Sub\_Category (TEXT): Product Sub Category |
|  | Prod\_id (TEXT): Unique Product ID |
|  |  |
|  | III.Orders\_dimen (with order no, date, and priority) |
|  |  |
|  | Order\_ID (INT): Order ID |
|  | Order\_Date (TEXT): Order Date |
|  | Order\_Priority (TEXT): Priority of the Order |
|  | Ord\_id (TEXT): Unique Order ID |
|  |  |
|  | IV. Shipping\_dimen (with ship date, order and shipping mode) |
|  |  |
|  | Order\_ID (INT): Order ID |
|  | Ship\_Mode (TEXT): Shipping Mode |
|  | Ship\_Date (TEXT): Shipping Date |
|  | Ship\_id (TEXT): Unique Shipment ID |
|  |  |
|  |  |
|  | V. market\_fact (orderwise customerwise marketwise orderquantity, sales  Value, discount profit and shipping cost details). |
|  |  |
|  | Ord\_id (TEXT): Order ID |
|  | Prod\_id (TEXT): Prod ID |
|  | Ship\_id (TEXT): Shipment ID |
|  | Cust\_id (TEXT): Customer ID |
|  | Sales (DOUBLE): Sales from the Item sold |
|  | Discount (DOUBLE): Discount on the Item sold |
|  | Order\_Quantity (INT): Order Quantity of the Item sold |
|  | Profit (DOUBLE): Profit from the Item sold |
|  | Shipping\_Cost (DOUBLE): Shipping Cost of the Item sold |
|  | Product\_Base\_Margin (DOUBLE): Product Base Margin on the  Item sold |
|  |  |
|  | **2.Identify and list the Primary Keys and Foreign Keys for this**  **dataset provided to** |
|  | **You (In case you don’t find either primary or foreign key, then**  **specially mention** |
|  | **this in your answer)** |
|  |  |
|  |  |
|  | i.Cust\_dimen |
|  |  |
|  | Primary Key: Cust\_id |
|  | Foreign Key: NA |
|  |  |
|  |  |
|  |  |
|  | ii.Prod\_dimen |
|  |  |
|  | Primary Key: Prod\_id |
|  | Foreign Key: NA |
|  |  |
|  |  |
|  | iii.Orders\_dimen |
|  |  |
|  | Primary Key: Ord\_id |
|  | Foreign Key: NA |
|  |  |
|  | iv.Shipping\_dimen |
|  |  |
|  | Primary Key: Ship\_id |
|  | Foreign Key: NA |
|  |  |
|  | v.Market\_fact |
|  |  |
|  | Primary Key: NA |
|  | Foreign Key: Ord\_id, Prod\_id, Ship\_id, Cust\_id |
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|  | **#Task 2:- Basic & Advanced Analysis** |
|  |  |
|  | select \* from cust\_dimen; |
|  | select \* from market\_fact; |
|  | select \* from orders\_dimen; |
|  | select \* from prod\_dimen; |
|  | select \* from shipping\_dimen; |