

Experiment No 1

Batch : 3

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AIM: Case Study for E-commerce Website

Scenario : An e-commerce company wants to implement a Data Warehouse Management (DWM) system to efficiently manage and analyze data related to customer transactions, products, inventory, and suppliers.

Entities and Attributes :

1. Customer : Customer-ID , Customer-Name, Customer-mail, Customer-address
2. Product : Product-ID , Product-Name, Category, pro-price.
3. Order : Order-ID, Order-Date, Customer-ID, Total-Amt.
4. Inventory : Inventory-ID, Product-ID, Stock-Quantity, Warehouse-Location.
5. Supplier : Supplier-ID, Supplier-Name, Contact-info, Product-ID.

Summary : The DWM system stores and manages data related to customers, products, orders, inventory, and suppliers.

Customer-Dimension
customer-ID
Customer-Name
customer-mail
customer-address

Order-Fact
Order-ID
Customer-ID
Product-ID
Order-Date
Supplier-ID
Total-Amount

Product-Dimension
Product-ID
Product-Name
Category
Pro-price

Supplier-Dimension
Supplier-ID
Supplier-Name
Contact-Info

Inventory-Dimension
Inventory-ID
Product-ID
Stock-Quantity
Warehouse-location

Date-Dimension
Date-ID
Order-Date
Year
Month
Day