Database ER diagram

Type_Customer

ID_TypeCustomer	Int(PK)
TypeCustomer_Name	nvarchar(20)

Has

Customer

ID_Customer	nvarchar(50)(PK)
ID_TypeCustomer	int(FK)
Customer_Name	nvarchar(100)

Places

Shipping

ID_Shipping	int(PK)
Ship_Mode	nvarchar(20)

Has

Orders

ID_Order	nvarchar(50)(PK)
ID_Customer	nvarchar(50) (FK)
ID_City	int(FK)
ID_Shipping	int(FK)
Order_Date	Date
Ship_Date	Date
Ship_Name	nvarchar(50)
Ship_Address	nvarchar(100)
Ship_Postalcode	int

Has

Returns

ID_Return	int(PK)
ID_Order	nvarchar(50)(FK)

Has

Order_Details

ID_Order	nvarchar(50)(PK)
ID_Product	nvarchar(50)(PK)
Quantity	int
Discount	float
Unit_Price	float

NOTE

In this ERD we used two primary keys to denote a Composite primary key

Contains

Product

ID_Product	nvarchar(50) (PK)
Name_Product	nvarchar(500)
ID_Category	int(FK)
ID_Subcategory	int(FK)
Unit_Price	float

Contains

Product_history

ID_Product	nvarchar(50)(PK)
Product_Date	Date(PK)
unit_price	float
Product_comment	nvarchar(1000)

Contains

Subcategory

ID_Category	int(FK)
ID_Subcategory	Int(PK)
Name_Subcategory	nvarchar(100)

Contains

Category

ID_Category	int(PK)
Name_Category	nvarchar(50)

Has

City

ID_City	int(PK)
City_Name	nvarchar(20)
ID_State	int(FK)

Has

State

ID_State	int(PK)
State_Name	nvarchar(20)
ID_Region	int(FK)

Has

Region

ID_Region	int(PK)
Region_Name	nvarchar(20)
ID_Country	int(FK)

Has

Country

ID_Country	int(PK)
Country_Name	nvarchar(20)

NOTE

Master Data

Reference Data

Metadata