

Simple Table Descriptions

Customer(CustomerID, FName, LName, MI, StreetAddress1, StreetAddress2, City, StateCode, PostalCode, CountryCode, OrderAddress1, OrderAddress2, OrderCity, OrderStateCode, OrderPostalCode, OrderCountryCode)

Product(ProductID, ProductDescription, ProductPrice)

Order(OrderID, OrderDate, CustomerID, ProductID, OrderQuantity)
FOREIGN KEY(CustomerID) REFERENCES Customer
FOREIGN KEY(ProductID) REFERENCES Product

Functional Dependency

Customer C, Product P, Order O

C.CustomerID -> C.FName, C.LName, C.MI, C.StreetAddress1, C.StreetAddress2, C.City, C.StateCode, C.PostalCode, C.CountryCode

C.CustomerID, O.OrderID -> C.OrderAddress1, C.OrderAddress2, C.OrderCity, C.OrderStateCode, C.OrderPostalCode, C.OrderCountryCode, O.OrderDate, O.CustomerID

O.OrderID, P.ProductID -> O.OrderQuantity, O.ProductID

P.ProductID -> P.ProductDescription, P.ProductPrice