

1NF Tables Orders: OrderID (Primary Key - PK) CustomerName PurchaseDate DeliveryDate PrimeStatus CardType CardNumber	2NF Tables: Orders: OrderID (PK) CustomerName PurchaseDate DeliveryDate PrimeStatus CardType CardNumber OrderItems: OrderItemID (PK) OrderID (Foreign Key - FK) AmazonItem Quantity Vendor	3NF Tables: Customers: CustomerID (PK) CustomerName Orders: OrderID (PK) CustomerID (FK) PurchaseDate DeliveryDate PrimeStatus CardType CardNumber OrderItems: OrderItemID (PK) OrderID (FK) AmazonItem Quantity Vendor	Relationships: Customers to Orders: Customers - CustomerID (PK) connects to Orders - CustomerID (FK). This relationship illustrates the fact that while a single customer may place many orders, each order is associated with a specific customer. A one-to-many relationship. Orders to OrderItems: Orders - OrderID (PK) connects to OrderItems - OrderID (FK). According to this relationship, a single order may contain several items, but each item entry in the OrderItems table is linked to a specific order. A one-to-many relationship.
			Full Summary 1NF Changes: There is a primary key for each table. Assured atomic values, or the presence of distinct, indivisible values in each cell. Duplicate rows and entries were eliminated from the dataset. Conclusion: I made sure that each row is distinct and that each column includes atomic (indivisible) data. A separate table was made for each customer, order, and item in the order. Unique primary keys for identification were introduced.
			2NF Changes: Make sure that none of the columns are partially dependent on the primary key. Separated payment methods since they are based on the order as a whole rather than an individual purchase item. Conclusion: In order to resolve partial dependencies, I divided order information and payment options into two separate tables. Each non-prime attribute is now totally dependent on the primary key in order to function.
			3NF Changes: Transitive dependencies have been removed. Vendor information is tied to the payment mechanism rather than the orders. Summarized: The issue of transitive dependencies has been addressed. I built a separate vendor table to ensure that vendor details are not stored