

**Table name = Store**

Name of column	Data type	Constraints (e.g., PK, FK, Surrogate, UNIQUE, NOT NULL, etc.)
Store_Id	Number	PK, Surrogate
StoreName	String	NOT NULL
Address	Number	NOT NULL

**Table name = ShelfLocation**

Name of column	Data type	Constraints (e.g., PK, FK, Surrogate, UNIQUE, NOT NULL, etc.)
ShelfLocation_Id	Number	PK, Surrogate
Store_Id	Number	FK references Store(Store_Id)
Product_Id	Number	FK references Product(Product_Id), NOT_NULL
FloorNumber	Number	NOT NULL
AisleName	String	NOT NULL
ShelfNumber	Number	NOT NULL

**Table name = Product**

Name of column	Data type	Constraints (e.g., PK, FK, Surrogate, UNIQUE, NOT NULL, etc.)
Product_Id	Number	PK, Surrogate
SKU	Number	UNIQUE, NOT NULL
ProdName	String	NOT NULL
Price	Number	NOT NULL

**Table name = Category**

Name of column	Data type	Constraints (e.g., PK, FK, Surrogate, UNIQUE, NOT NULL, etc.)
Category_Id	Number	PK, Surrogate
CategoryName	String	NOT NULL
CategoryDesc	String	NOT NULL

**Table name = Prod\_Cat**

Name of column	Data type	Constraints (e.g., PK, FK, Surrogate, UNIQUE, NOT NULL, etc.)
Prod_Cat_Id	Number	PK, Surrogate
Category_Id	Number	FK references Category, NOT NULL
Product_Id	Number	FK references Product, NOT NULL
Pro-Cat	Number	Composite Key(Product_Id, Category_Id)

**Table name = Stock**

Name of column	Data type	Constraints (e.g., PK, FK, Surrogate, UNIQUE, NOT NULL, etc.)
Stock_Id,	Number	PK, Surrogate
Store-Prod	(Number,Number)	Composite Key(Store_Id, Product_Id)
Store_Id	Number	FK references Store(Store_Id) , NOT NULL
Product_Id	Number	FK references Product(Product_Id), NOT NULL
ShelfQty	Number	NOT NULL
RecordThreshold	Number	NOT NULL
StorageQty	Number	NOT NULL
StockDate	Number	NOT NULL

**Table name = Bill**

Name of column	Data type	Constraints (e.g., PK, FK, Surrogate, UNIQUE, NOT NULL, etc.)
Bill_Id	Number	PK, Surrogate
Payment_Id	Number	FK references Payment, NULLABLE
BillDate	Number	NOT NULL
TotalBill	Number	NOT NULL

**Table name = BillItem**

Name of column	Data type	Constraints (e.g., PK, FK, Surrogate, UNIQUE, NOT NULL, etc.)
BillItem_Id	Number	PK, Surrogate
Bill_Id	Number	FK references Bill, (ON DELETE CASCADE)
Product_Id	Number	FK references Product
Quantity	Number	NOT NULL
TotalPrice	Number	NOT NULL

**Table name = Payment**

Name of column	Data type	Constraints (e.g., PK, FK, Surrogate, UNIQUE, NOT NULL, etc.)
Payment_Id	Number	PK, Surrogate
Bill_Id	Number	Fk references Bill, NOT NULL
PaymentType	String	NOT NULL
PaymentDate	Number	NOT NULL
PaymentAmount	Number	NOT NULL

**Table name = CardPayment**

Name of column	Data type	Constraints (e.g., PK, FK, Surrogate, UNIQUE, NOT NULL, etc.)
CardPayment_Id	Number	PK, surrogate, FK references Payment (CASCADE ON DELETE)
CardNumber	Number	NOT NULL
ExpiryDate	Number	NOT NULL
AuthReferenceNu mber	Number	NOT NULL