

	SCHEMA CONSTRUCT		DATATYPE	CONSTRAINTS
1	CUSTOMER			
	CustomerID		varchar(20)	Primary Key
	Email		varchar(100)	UNIQUE
	ContactNo		varchar(20)	NOT NULL
	First_Name		varchar(50)	NOT NULL
	Last_Name		varchar(50)	NOT NULL
	DOB		Date	
	Age		Number	
	Gender		varchar2(10)	CHECK (Gender IN ('Male','Female','Other'))
2	CUST_ADDRESS			
	CustomerID		varchar2(20)	Primary Key, Foreign Key references CUSTOMER
	AptNo		varchar2(20)	Primary Key
	city		varchar2(50)	Primary Key
	street		varchar2(100)	Primary Key
	zipcode		varchar2(10)	Primary Key
3	DELIVERY			
	TrackingNumber		varchar2(20)	Primary Key
	Carrier		varchar2(20)	
	Delivery_Date		Date	
	Delivery_Person		varchar2(50)	
	Shipping_Address		varchar2(50)	NOT NULL
	Order_ID		varchar2(20)	Foreign Key references ORDERS
4	EMPLOYEES			
	Employee_ID		varchar2(50)	Primary Key
	ContactNo		varchar2(15)	NOT NULL
	Email_ID		varchar2(100)	UNIQUE
	F_name		varchar2(50)	NOT NULL
	L_name		varchar2(50)	NOT NULL
	AptNo		varchar2(20)	
	Steet		varchar2(100)	
	Zipcode		varchar2(10)	
	City		varchar2(50)	
	Job_Title		varchar2(50)	
	Employee_Type		varchar2(10)	NOT NULL
	HireDate		Date	
	Experience		Number	
5	STORE_EMPLOYEE			
	Employee_ID		varchar2(10)	Primary Key, Foreign Key references EMPLOYEES
	Store_Employee_Type		varchar2(10)	NOT NULL
6	MANAGERS			
	EmployeeID		varchar2(50)	Primary Key, Foreign Key references EMPLOYEES
7	ATTENDANTS			
	EmployeeID		varchar2(50)	Primary Key, Foreign Key references EMPLOYEES
8	CASHIER			
	EmployeeID		varchar2(50)	Primary Key, Foreign Key references EMPLOYEES
	Register_Number		Number(5,0)	
9	BACKEND_EMPLOYEE			
	Empoyee_ID		varchar2(50)	Primary Key, Foreign Key references EMPLOYEES
10	W_EMPLOYEE			
	Employee_ID		varchar2(10)	Primary Key, Foreign Key references EMPLOYEES
	WarehouseID		varchar2(10)	Primary Key, Foreign Key references WAREHOUSES
11	EMPLOYEE_SUPERVISOR			
	SupervisorID		varchar2(50)	Primary Key, Foreign Key references EMPLOYEES
	EmployeeID		varchar2(50)	Primary Key, Foreign Key references EMPLOYEES
12	SHIFT_CREW			
	Shift_crewID		varchar2(15)	Primary Key
	Start_Time		varchar2(10)	
	End_time		varchar2(10)	
	Performance_Ratings		NUMBER(1)	CHECK (Performance_Ratings BETWEEN 1 AND 5)
	Shift_type		varchar2(10)	CHECK (Shift_type IN ('Morning','Evening','Night'))
13	ORDERS			
	OrderID		varchar2(20)	Primary Key
	CustomerID		varchar2(20)	Foreign Key references CUSTOMERS
	PaymentID		varchar2(20)	Foreign Key references PAYMENTS
	StoreID		varchar2(20)	Foreign Key references STORE
	Subscription		varchar2(1)	CHECK (Subscription in ('Y','N'))
	OrderDate		Date	
	Order_Flag		varchar2(20)	CHECK (Order_Flag in ('Online','Offline'))
	StoreID		varchar2(50)	Foreign Key references STORE
	OrderStatus		varchar2(50)	CHECK (OrderStatus IN ('Confirmed','Canceled'))
14	ORDER_DETAILS			
	Quantity		Number(3,0)	CHECK (Quantity > 0)
	OrderID		varchar2(20)	Primary Key, Foreign Key references ORDERS
	ProductID		varchar2(50)	Primary Key, Foreign Key references PRODUCT
	Unit_Price		Number(10,2)	CHECK (Unit_Price > 0)
15	PAYMENTS			
	PaymentID		varchar2(20)	Primary Key
	PaymentDate		Date	

	Payment_Method		varchar2(20)	CHECK (Payment_Method IN ('Credit Card', 'Cash', 'PayPal'))
	Payment_Amount		NUMBER (10,5)	CHECK (Payment_Amount > 0)
	FinalAmount		varchar2(50)	CHECK (FinalAmount > 0)
	EmployeeID		varchar2(50)	Foreign Key references CASHIER
	Payment_Status		varchar2(50)	CHECK (Payment_Status IN ('Paid', 'Failed'))
16	POST_ORDER_STATUS			
	RequestID		varchar2(50)	Primary Key
	Reason		varchar2(255)	
	ProductID		varchar2(50)	Foreign Key references PRODUCT
	OrderID		varchar2(20)	Foreign Key references ORDERS
	Type		varchar2(10)	NOT NULL
	Request_Date		Date	
17	RETURN_CANCEL			
	RequestID		varchar2(50)	Primary Key, Foreign Key references POST_ORDER_STATUS
	RC_Type		varchar2(10)	CHECK (RC_Type IN ('Return', 'Cancel'))
	RefundID		varchar2(50)	Foreign Key references REFUND
18	EXCHANGE_ORDERS			
	RequestID		varchar2(50)	Primary Key, Foreign Key references POST_ORDER_STATUS
	Exchange_Resolution_Date		Date	
	Exchange_Status		varchar2(50)	Exchange_Status IN ('Pending', 'Closed')
	Exchange_Method		varchar2(50)	CHECK (Exchange_Method IN ('InStore', 'Pickup'))
19	PRODUCT			
	ProductID		varchar2(50)	Primary Key
	Model_No		varchar2(50)	
	P_Name		varchar2(100)	
	Price		Number(10,0)	CHECK (Price > 0)
	Description		varchar2(500)	
	Brand		varchar2(50)	
	Tax		Number(5,3)	
	Weight		Number(8,2)	CHECK (Weight > 0)
	Is_Online		varchar2(1)	CHECK (Is_Online in ('Y', 'N'))
	Is_Offline		varchar2(1)	CHECK (Is_Offline in ('Y', 'N'))
	Sub_category_ID		varchar2(50)	Foreign Key references SUBCATEGORY
	Warranty		varchar2(100)	
20	STORE_PRODUCT			
	ProductID		varchar2(10)	Primary Key, Foreign Key references PRODUCT
	Aisle_Placement		Number	
	Shelf_Placement		Number	
	Instore_availability		varchar2(1)	CHECK (Instore_Availability in ('Y', 'N'))
21	ONLINE_PRODUCT			
	ProductID		varchar2(10)	Primary Key, Foreign Key references PRODUCT
	Online_Exclusive		varchar(2)	CHECK (Online_Exclusive IN ('Restricted', 'Public'))
	Product_Tags		varchar2(20)	
22	PRODUCTCATEGORY			
	CategoryID		varchar2(50)	Primary Key
	Access_Control		varchar2(50)	CHECK (Access_Control in ('Yes', 'No')
	C_name		varchar2(100)	NOT NULL
	Description		varchar2(255)	
23	PROMOTIONS			
	PromotionID		varchar2(10)	Primary Key
	Title		varchar2(50)	
	Discount_Amount		Number(10,2)	CHECK (Discount_Amount > 0)
	Status		varchar2(20)	CHECK (Status IN ('Active', 'Inactive'))
	Description		varchar2(200)	
	Discount_Type		varchar2(20)	
	Customer_Eligibility		varchar2(50)	
	ProductID		varchar2(10)	Foreign Key references PRODUCT
	Start_Date		Date	
	Expiration_Date		Date	
24	REVIEWS			
	Review_ID		varchar5(20)	Primary Key
	CustomerID		varchar5(20)	Primary Key, Foreign Key references CUSTOMER
	ProductID		varchar2(5)	Primary Key, Foreign Key references PRODUCT
	Review_Description		varchar2(500)	
	Review_Date		Date	
	Reported_Flag		char(3)	CHECK (Reported_Flag IN ('N', 'Y'))
25	SHIPMENT			
	Shipment_Number		varchar2(10)	Primary Key
	S_Date_Time		Timestamp(6)	
	StoreID		varchar2(10)	Foreign Key references STORE
	PurchaseID		varchar2(10)	Foreign Key references PURCHASES
	WarehouseID		varchar2(10)	Foreign Key references WAREHOUSE
	Handling_Instructions		varchar2(255)	
	Weight(lbs)		NUMBER (4)	CHECK (Weight > 0)
	R_Name		varchar2(10)	

26	STOCK		
	StockID	varchar2(15)	Primary Key
	Total_Value	Number(10,2)	CHECK (Total_Value > 0)
	Quantity	Number	CHECK (Quantity > 0)
	Stock_date	Date	
	Unit_Price	Number(8,2)	
	ProductID	varchar2(10)	Primary Key, Foreign Key references PRODUCT
	Outbound_Date	Date	
	Inbound_Date	Date	
	WarehouseID	varchar2(10)	Primary Key, Foreign Key references WAREHOUSES
27	STORE_AVAILABILITY		
	Quantity	Number(4,0)	CHECK (Quantity > 0)
	StoreID	varchar2(50)	Primary Key, Foreign Key references STORE
	ProductID	varchar2(50)	Primary Key, Foreign Key references PRODUCT
	SADate	Date	Primary Key
28	STORE		
	StoreID	varchar2(50)	Primary Key
	State	varchar2(50)	
	City	varchar2(100)	
	Store_PhoneNo	varchar2(50)	NOT NULL
	Zipcode	varchar2(10)	
29	SUBCATEGORY		
	Sub_Category_ID	varchar2(50)	Primary Key
	CategoryID	varchar2(50)	Foreign Key references PRODUCTCATEGORY
	Aisle_Placement	varchar2(30)	
	SC_Name	varchar2(100)	NOT NULL
30	SUPPLIERS		
	SupplierID	varchar2(50)	Primary Key
	SName	varchar2(100)	
	Contact	varchar2(50)	NOT NULL
	OperatingHours	varchar2(100)	
	State	varchar2(50)	
	Zipcode	varchar2(10)	
	Street	varchar2(100)	
31	WAREHOUSES		
	WarehouseID	varchar2(50)	Primary Key
	Street	varchar2(100)	
	City	varchar2(100)	
	Zipcode	varchar2(10)	
	State	varchar2(50)	
	Capacity	Number(38,0)	
	Contact	varchar2(50)	NOT NULL
32	W_INVOICE		
	W_InvoiceNo	varchar2(50)	Primary Key
	W_Invoice_Date	Date	
	W_Billing_Address	varchar2(255)	
	W_PaymentID	varchar2(6)	Foreign Key references W_Payment
	W_Total_Amount	Number(10,2)	
33	PURCHASE_DETAILS		
	ProductID	varchar2(50)	Primary Key, Foreign Key references PRODUCT
	PurchaseID	varchar2(50)	Primary Key, Foreign Key references PURCHASES
	Quantity	Number(20,0)	CHECK (Quantity > 0)
34	PURCHASES		
	PurchaseID	varchar2(50)	Primary Key
	W_Supply_Date	Date	
	W_Request_Date	Date	
	W_Payment_Method	varchar2(50)	
	W_Shipping_Method	varchar2(50)	
	W_Shipping_Street	varchar2(255)	
	W_Shipping_Zipcode	varchar2(10)	
35	W_PAYMENT		
	W_PaymentID	varchar(6)	Primary Key
	W_PaymentDate	Timestamp(6)	
	W_Payment_Amount	Number(10,2)	CHECK (W_Payment_Amount > 0)
	W_PaymentStatus	varchar2(20)	CHECK (W_PaymentStatus IN ('Paid','Pending','Failed','Canceled'))
	W_PaymentType	varchar2(10)	CHECK (W_PaymentType IN ('Sale','Refund'))
	W_PaymentMethod	varchar2(6)	CHECK (W_PaymentMethod IN ('Credit Card','Paypal','Cash'))
	W_OrderStatus	varchar2(20)	CHECK (W_OrderStatus IN ('Pending','Shipped','Delivered','Canceled'))
	WarehouseID	varchar2(10)	Foreign Key references WAREHOUSES
	EmployeeID	varchar2(10)	Foreign Key references EMPLOYEES
36	SUPPLIES		
	SupplierID	varchar2(50)	Primary Key, Foreign Key references SUPPLIER

	ProductID	varchar2(50)	Primary Key, Foreign Key references PRODUCT
37	SHIPMENT_CONSISTS_OF		
	Shipment_Number	varchar2(10)	Primary Key, Foreign Key references SHIPMENTS
	ProductID	varchar2(50)	Primary Key, Foreign Key references PRODUCT
38	REFUND		
	RefundID	varchar2(50)	Primary Key
	Refund_Status	varchar2(50)	CHECK (Refund Status IN ('Processed', 'Approved', 'Pending'))
	Refund_Amount	Number(10,2)	
	Empoyee_ID	varchar2(50)	Foreign Key references BACKEND_EMPLOYEES
	Refund_Date	Date	
39	FORM_ATTENDANTS		
	shift_crew_id	varchar2(50)	Primary Key, Foreign Key references SHIFT_CREW
	EmployeeID	varchar2(10)	Primary Key, Foreign Key references EMPLOYEES
40	FORM_MANAGERS		
	shift_crew_id	varchar2(50)	Primary Key, Foreign Key references SHIFT_CREW
	EmployeeID	varchar2(10)	Primary Key, Foreign Key references EMPLOYEES
41	FORM_CASHIER		
	shift_crew_id	varchar2(50)	Primary Key, Foreign Key references SHIFT_CREW
	EmployeeID	varchar2(10)	Primary Key, Foreign Key references EMPLOYEES
42	CREW_STORE		
	shift_crewid	varchar2(15)	Primary Key, Foreign Key references SHIFT_CREW
	StoreID	varchar2(10)	Primary Key, Foreign Key references STORES