**Tech-Shop**

an electronic gadgets shop

**Task:1. Database Design:**

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4. Create appropriate Primary Key and Foreign Key constraints for referential integrity.

Ans:-

CREATE TABLE Customers (

CustomerID int(3) PRIMARY KEY,

FirstName varchar(50),

LastName varchar(50),

Email varchar(75),

Phone varchar(10),

Address varchar(225)

);

CREATE TABLE Products (

ProductID int(3) PRIMARY KEY,

ProductName varchar(50),

Description varchar(249),

Price decimal(10,2)

);

CREATE TABLE Orders (

OrderID int PRIMARY KEY,

CustomerID int(3),

OrderDate date,

TotalAmount decimal(10, 2),

FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)

);

CREATE TABLE OrderDetails (

OrderDetailID int(3) PRIMARY KEY,

OrderID int(3),

ProductID int(3),

Quantity int(5),

FOREIGN KEY (OrderID) REFERENCES Orders(OrderID),

FOREIGN KEY (ProductID) REFERENCES Products(ProductID)

);

CREATE TABLE Inventory (

InventoryID int(5) PRIMARY KEY,

ProductID int(3),

QuantityInStock int(5),

LastStockUpdate date,

FOREIGN KEY (ProductID) REFERENCES Products(ProductID)

);

**OUTPUT:-**A screenshot of a computer screen

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5. Insert at least 10 sample records into each of the following tables.

**Customers**

INSERT INTO Customers (customerid,firstname,lastname,email,phone,address)

VALUES

(101, 'eshwar', 'V', 'eshwar@gmail.com', '9782154201', '32,JP nagar,banglore-49'),

(102, 'reddy', 'V', 'reddy123@gmail.com','9587412368', '45,JJ nagar,banglore'),

(103, 'tom', 'son', 'tom143@gmail.com', '9586741230', '36,LB nagar,banglore-49'),

(104, 'jhon', 'son', 'jhon456@gmail.com', '9513687421', '97,NR layout,hyd-07'),

(105, 'king', 'baby', 'king956@gmail.com', '6365987412', '54,JP nagar,banglore-49'),

(106, 'ntr', 'fan', 'ntrfans@gmail.com', '7898745621', '9,NR layout,hyd-07'),

(107, 'pavan', 'kumar', 'pavan@gmail.com', '7775648921', '13,RR nagar,hyd-04'),

(108, 'ravi', 'sharma', 'ravis123@gmail.com', '9694562100', '49,MR layout,banglore-48'),

(109, 'Hank', 'kumar', 'kumar123@gmail.com', '6457871188', '876 jp nagar,banglore-49'),

(110, 'muni', 'reddy', 'muni23@gmail.com', '8364942155', '24,PK nagar,banglore-04');

**Customers OUTPUT: -**



**Products**

INSERT INTO Products (ProductID, ProductName, Description, Price\_INR)

VALUES (111, 'HP Laptop', 'High-performance and Best Display laptop', 55999.00),

(112, 'Nothing Smartphone', 'Latest model with Glyph ligthing ', 45999.99),

(113, 'Boat Headphones', 'ANC with 4 mic's wireless headphones', 1499.99),

(114, 'Asus Monitor', '4K curved display', 85299.00),

(115, 'Acer Keyboard', 'gaming keyboard with RCB light', 19499.99),

(116, 'Asus Mouse', 'best Wireless mouse for gaming', 8999.99),

(117, 'HP Printer', 'All-in-one printer', 15549.90),

(118, 'Apple adopter', 'with 120w fast charging',9399.99),

(119, 'Apple series 8 watch', 'with two finger tap opreation', 45599.99),

(120, 'Apple 16 pro max', 'With extra action button', 169499.99);

**Products OUTPUT: -**

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**Orders**

INSERT INTO Orders (OrderID, CustomerID, OrderDate, TotalAmount)

VALUES (201, 101, '2024-09-26', 55999.00),

(202, 102, '2024-09-24', 1499.99),

(203, 103, '2024-09-29', 45999.99),

(204, 104, '2024-09-27', 169499.99),

(205, 104, '2024-09-27', 9399.99),

(206, 106, '2024-09-28', 85299.00),

(207, 101, '2024-09-26', 15549.90),

(208, 108, '2024-09-25', 19499.99),

(209, 104, '2024-09-27', 45599.99),

(210, 106, '2024-09-28', 8999.99);

**Order**A screenshot of a computer screen

Description automatically generated **OUTPUT: -**

**OrderDetails**

INSERT INTO OrderDetails (OrderDetailID, OrderID, ProductID, Quantity)

VALUES (211, 201, 111, 1),

(212, 202, 113, 1),

(213, 203, 112, 1),

(214, 204, 120, 1),

(215, 205, 118, 1),

(216, 206, 114, 1),

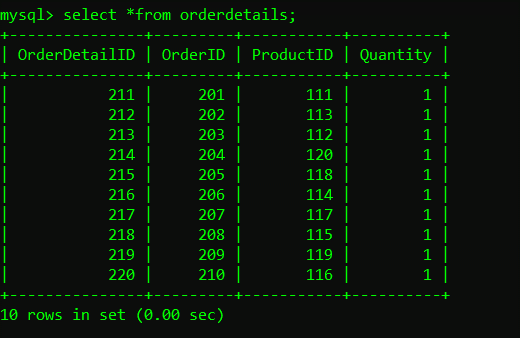
(217, 207, 117, 1),

(218, 208, 115, 1),

(219, 209, 119, 1),

(220, 210, 116, 1);

**OrderDetails OUTPUT: -**



**Inventory**

INSERT INTO Inventory (InventoryID, ProductID, QuantityInStock, LastStockUpdate)

VALUES (301, 111, 15, '2024-09-21'),

(302, 112, 25, '2024-09-21'),

(303, 113, 90, '2024-09-21'),

(304, 114, 15, '2024-09-21'),

(305, 115, 80, '2024-09-21'),

(306, 116, 75, '2024-09-21'),

(307, 117, 10, '2024-09-21'),

(308, 118, 50, '2024-09-21'),

(309, 119, 20, '2024-09-21'),

(310, 120, 10, '2024-09-21');

**Inventory OUTPUT: -**

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