VIJAY SALES SHOP

Database Management System

Overview:-

Vijay Sales Shop is a retail business specializing in electronic products and home appliances. To effectively manage its operations, The Raw data of a SQL Database Management System (DBMS) is designed to handle essential aspects such as product inventory, sales transactions, customer data, supplier details, and purchase records.

The Vijay Sales database structure includes tables for:

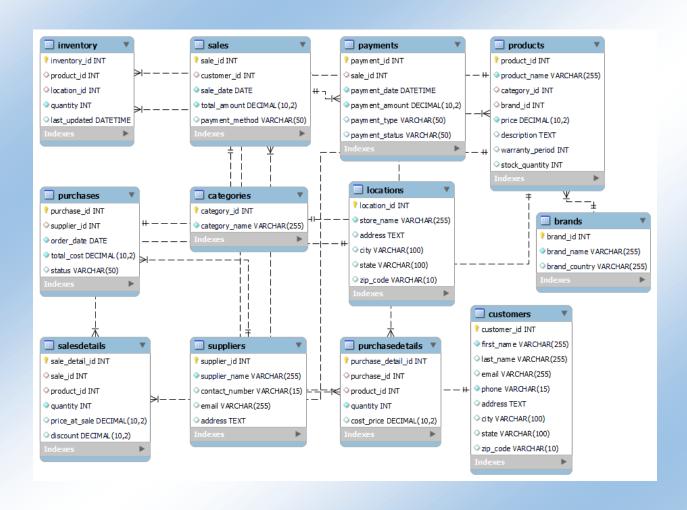
- 1. Products Details of all available products, their categories, brands, prices, and stock levels.
- 2. Categories Classification of products for easy navigation and inventory organization.
- 3. **Brands** Information about various brands and their origins.
- 4. **Customers** Records of customer information for tracking purchases and enhancing customer service.
- 5. Sales Transactional data for sales, including total amounts and payment methods.
- 6. SalesDetails Breakdown of each sale, showing product quantity, sale price, and discounts.
- 7. **Inventory** Tracks product availability across different store locations.
- 8. Locations Information about each store location, including addresses.
- 9. **Suppliers** Details of suppliers providing products, including contact and ordering information.
- 10. Purchases Purchase orders from suppliers, including costs and order status.
- 11. PurchaseDetails Specific details for each purchase order, such as product quantity and price.
- 12. Payments Records of customer payments for sales and their statuses.

The SQL DBMS enables Vijay Sales Shop to maintain smooth operations by accurately tracking inventory, processing transactions efficiently, and managing supplier relations. This structure helps ensure real-time data availability for decision-making, improves customer service, and supports inventory control.

Raw Diagram



ER Diagram



```
CReate database vijay_sales_shop;
use vijay_sales_shop;
-- 1. Products
CREATE TABLE Products (
  product_id INT PRIMARY KEY AUTO_INCREMENT,
  product_name VARCHAR(255) NOT NULL,
  category_id INT,
  brand_id INT,
  price DECIMAL(10, 2) NOT NULL,
  description TEXT,
  warranty_period INT,
  stock_quantity INT,
  FOREIGN KEY (category_id) REFERENCES Categories(category_id),
  FOREIGN KEY (brand id) REFERENCES Brands(brand id)
);
-- 2. Categories
CREATE TABLE Categories (
  category_id INT PRIMARY KEY AUTO_INCREMENT,
  category_name VARCHAR(255) NOT NULL
);
```

Create Tables: -

```
-- 3. Brands
CREATE TABLE Brands (
  brand_id INT PRIMARY KEY AUTO_INCREMENT,
  brand_name VARCHAR(255) NOT NULL,
  brand_country VARCHAR(255)
);
-- 4. Customers
CREATE TABLE Customers (
  customer id INT PRIMARY KEY AUTO INCREMENT,
  first name VARCHAR(255) NOT NULL,
  last_name VARCHAR(255),
  email VARCHAR(255) UNIQUE,
  phone VARCHAR(15) NOT NULL,
  address TEXT,
  city VARCHAR(100),
  state VARCHAR(100),
  zip_code VARCHAR(10)
);
-- 5. Sales
CREATE TABLE Sales (
  sale_id INT PRIMARY KEY AUTO_INCREMENT,
  customer_id INT,
```

```
sale_date DATE NOT NULL,
  total_amount DECIMAL(10, 2) NOT NULL,
  payment_method VARCHAR(50),
  FOREIGN KEY (customer_id) REFERENCES Customers(customer_id)
);
-- 6. SalesDetails
CREATE TABLE SalesDetails (
  sale detail id INT PRIMARY KEY AUTO INCREMENT,
  sale id INT,
  product id INT,
  quantity INT NOT NULL,
  price_at_sale DECIMAL(10, 2),
  discount DECIMAL(10, 2),
  FOREIGN KEY (sale_id) REFERENCES Sales(sale_id),
  FOREIGN KEY (product id) REFERENCES Products(product id)
);
-- 7. Inventory
CREATE TABLE Inventory (
  inventory_id INT PRIMARY KEY AUTO_INCREMENT,
  product_id INT,
  location_id INT,
  quantity INT NOT NULL,
```

```
last_updated DATETIME,
  FOREIGN KEY (product_id) REFERENCES Products(product_id),
  FOREIGN KEY (location_id) REFERENCES Locations(location_id)
);
-- 8. Locations
CREATE TABLE Locations (
  location_id INT PRIMARY KEY AUTO_INCREMENT,
  store_name VARCHAR(255) NOT NULL,
  address TEXT,
  city VARCHAR(100),
  state VARCHAR(100),
  zip_code VARCHAR(10)
);
-- 9. Suppliers
CREATE TABLE Suppliers (
  supplier_id INT PRIMARY KEY AUTO_INCREMENT,
  supplier_name VARCHAR(255) NOT NULL,
  contact_number VARCHAR(15),
  email VARCHAR(255) UNIQUE,
  address TEXT
);
```

```
-- 10. Purchases
CREATE TABLE Purchases (
  purchase_id INT PRIMARY KEY AUTO_INCREMENT,
  supplier_id INT,
  order date DATE NOT NULL,
  total_cost DECIMAL(10, 2) NOT NULL,
  status VARCHAR(50),
  FOREIGN KEY (supplier_id) REFERENCES Suppliers(supplier_id)
);
-- 11. PurchaseDetails
CREATE TABLE PurchaseDetails (
  purchase_detail_id INT PRIMARY KEY AUTO_INCREMENT,
  purchase_id INT,
  product_id INT,
  quantity INT NOT NULL,
  cost_price DECIMAL(10, 2),
  FOREIGN KEY (purchase_id) REFERENCES Purchases(purchase_id),
  FOREIGN KEY (product_id) REFERENCES Products(product_id)
);
-- 12. Payments
CREATE TABLE Payments (
  payment_id INT PRIMARY KEY AUTO_INCREMENT,
```

```
sale_id INT,

payment_date DATETIME NOT NULL,

payment_amount DECIMAL(10, 2) NOT NULL,

payment_type VARCHAR(50),

payment_status VARCHAR(50),

FOREIGN KEY (sale_id) REFERENCES Sales(sale_id)
);
```

Insert Values of all Tables

Products

INSERT INTO **Products** (product_id, product_name, category_id, brand_id, price, description, warranty_period, stock_quantity)

VALUES

- (1, 'Samsung LED TV 43"', 1, 1, 29999.99, '43-inch LED TV with Full HD resolution', 24, 10),
- (2, 'iPhone 14', 2, 2, 79999.99, '128GB, Midnight Black', 12, 15),
- (3, 'Dell Inspiron Laptop', 3, 3, 45999.99, 'Core i5, 8GB RAM, 512GB SSD', 12, 8),
- (4, 'Sony Headphones WH-1000XM4', 4, 4, 19999.99, 'Noise-canceling wireless headphones', 12, 20),
- (5, 'LG Refrigerator 190L', 5, 5, 15999.99, '190L single-door refrigerator with smart inverter compressor', 24, 12),
- (6, 'HP Pavilion Laptop 14"', 3, 6, 60999.99, 'Core i7, 16GB RAM, 1TB SSD', 12, 7),
- (7, 'Canon EOS 1500D DSLR Camera', 6, 7, 35999.99, '24.1MP DSLR camera with dual-lens kit', 12, 5),
- (8, 'Philips Air Fryer HD9216', 7, 8, 8499.99, 'Rapid Air Technology for healthier frying', 12, 18),

- (9, 'Sony Bravia 55" LED TV', 1, 9, 54999.99, '4K UHD Smart LED TV with HDR and Android OS', 24, 15),
- (10, 'Samsung Galaxy S21', 2, 2, 69999.99, '128GB storage, 8GB RAM, Exynos 2100', 12, 20),
- (11, 'Dell Inspiron 15"', 3, 10, 48999.99, 'Core i5, 8GB RAM, 512GB SSD, Windows 10', 12, 10),
- (12, 'Whirlpool Washing Machine 6.5kg', 5, 11, 17999.99, '6.5kg fully automatic front-load', 24, 8),
- (13, 'Nikon D5600 DSLR Camera', 6, 12, 44999.99, '24.2MP DSLR with 18-55mm lens', 12, 5),
- (14, 'Bajaj Microwave Oven 20L', 7, 13, 5999.99, 'Convection microwave with digital display', 12, 12);

Categories

INSERT INTO Categories (category_id, category_name)

VALUES

- (1, 'Television'),
- (2, 'Mobile Phones'),
- (3, 'Laptops'),
- (4, 'Headphones'),
- (5, 'Refrigerators'),
- (6, 'Cameras'),
- (7, 'Kitchen Appliances'),
- (8, 'Microwaves'),
- (9, 'Washing Machines');

■ Brands

```
VALUES
 (1, 'Samsung', 'South Korea'),
 (2, 'Apple', 'United States'),
 (3, 'Dell', 'United States'),
 (4, 'Sony', 'Japan'),
 (5, 'LG', 'South Korea'),
 (6, 'HP', 'United States'),
 (7, 'Canon', 'Japan'),
 (8, 'Philips', 'Netherlands'),
 (9, 'Sony', 'Japan'),
 (10, 'Dell', 'United States'),
 (11, 'Whirlpool', 'United States'),
 (12, 'Nikon', 'Japan'),
 (13, 'Bajaj', 'India');
   Customers
INSERT INTO Customers (customer_id, first_name, last_name, email, phone,
address, city, state, zip_code)
VALUES
```

(1, 'Ravi', 'Sharma', 'ravi.sharma@gmail.com', '9123456789', '123 Main Street',

(2, 'Anita', 'Verma', 'anita.verma@gmail.com', '9234567890', '456 Park Avenue',

'Mumbai', 'Maharashtra', '400001'),

'Pune', 'Maharashtra', '411001'),

INSERT INTO **Brands** (brand id, brand name, brand country)

- (3, 'Raj', 'Patel', 'raj.patel@gmail.com', '9345678901', '789 Hill Road', 'Surat', 'Gujarat', '395007'),
- (4, 'Priya', 'Kumar', 'priya.kumar@gmail.com', '9456123456', 'Apartment 42, Sector 22', 'Noida', 'Uttar Pradesh', '201301'),
- (5, 'Amit', 'Singh', 'amit.singh@gmail.com', '9561234567', 'Bungalow 19, Shivaji Nagar', 'Nagpur', 'Maharashtra', '440010'),
- (6, 'Neha', 'Joshi', 'neha.joshi@gmail.com', '9671234568', 'Flat 13B, Race Course Road', 'Indore', 'Madhya Pradesh', '452001'),
- (7, 'Rajesh', 'Patel', 'rajesh.patel@gmail.com', '9876543210', 'House 29, MG Road', 'Pune', 'Maharashtra', '411001'),
- (8, 'Suman', 'Sharma', 'suman.sharma@gmail.com', '9765432189', 'Apartment 4A, South City', 'Kolkata', 'West Bengal', '700047'),
- (9, 'Akhil', 'Verma', 'akhil.verma@gmail.com', '8896541234', 'Building 21, Banjara Hills', 'Hyderabad', 'Telangana', '500034');

■ Sales

INSERT INTO **Sales** (sale_id, customer_id, sale_date, total_amount, payment_method)

VALUES

- (1, 1, '2024-10-01', 109999.97, 'Credit Card'),
- (2, 2, '2024-10-02', 79999.99, 'Debit Card'),
- (3, 3, '2024-10-03', 29999.99, 'Cash'),
- (4, 4, '2024-10-04', 15999.99, 'UPI'),
- (5, 5, '2024-10-05', 60999.99, 'Credit Card'),
- (6, 6, '2024-10-06', 8499.99, 'Debit Card'),
- (7, 7, '2024-10-07', 54999.99, 'Credit Card'),
- (8, 8, '2024-10-08', 69999.99, 'UPI'),

```
(9, 9, '2024-10-09', 17999.99, 'Cash');
```

■ SalesDetails

INSERT INTO **SalesDetails** (sale_detail_id, sale_id, product_id, quantity, price_at_sale, discount)

VALUES

Inventory

INSERT INTO **Inventory** (inventory_id, product_id, location_id, quantity, last_updated)

VALUES

$$(3, 3, 2, 8, '2024-10-01'),$$

```
(5, 5, 1, 12, '2024-10-04'),

(6, 6, 1, 7, '2024-10-05'),

(7, 7, 2, 5, '2024-10-06'),

(8, 8, 2, 18, '2024-10-06'),

(9, 9, 3, 15, '2024-10-07'),

(10, 10, 2, 20, '2024-10-08'),

(11, 11, 1, 10, '2024-10-09'),

(12, 12, 2, 8, '2024-10-09');
```

Locations

INSERT INTO **Locations** (location_id, store_name, address, city, state, zip_code) VALUES

- (1, 'Vijay Sales Andheri', 'Plot 21, Andheri West', 'Mumbai', 'Maharashtra', '400053'),
- (2, 'Vijay Sales Bandra', 'Shop No. 10, Linking Road', 'Mumbai', 'Maharashtra', '400050'),
- (3, 'Vijay Sales Thane', 'Shop No. 22, Ghodbunder Road', 'Thane', 'Maharashtra', '400601'),
- (4, 'Vijay Sales Vashi', 'Plot 5, Sector 17', 'Navi Mumbai', 'Maharashtra', '400703'),
- (5, 'Vijay Sales Andheri', 'Plot No. 9, Andheri West', 'Mumbai', 'Maharashtra', '400058'),
- (6, 'Vijay Sales Kandivali', 'Station Road, Kandivali East', 'Mumbai', 'Maharashtra', '400101');

Suppliers

INSERT INTO **Suppliers** (supplier_id, supplier_name, contact_number, email, address)

VALUES

- (1, 'Samsung Electronics', '9876543210', 'contact@samsung.com', 'Seoul, South Korea'),
- (2, 'Apple Inc.', '9765432109', 'sales@apple.com', 'Cupertino, CA, USA'),
- (3, 'Dell India', '9654321098', 'info@dell.com', 'Bangalore, Karnataka, India'),
- (4, 'LG Electronics', '9988776655', 'lg@lgelectronics.com', 'Seoul, South Korea'),
- (5, 'HP India', '9876543212', 'info@hp.com', 'Bengaluru, Karnataka, India'),
- (6, 'Canon India', '9765432107', 'support@canon.in', 'Noida, Uttar Pradesh, India'),
- (7, 'Philips India', '9654321096', 'service@philips.com', 'Gurgaon, Haryana, India'),
- (8, 'Sony India', '9898989898', 'support@sony.co.in', 'Tokyo, Japan'),
- (9, 'Whirlpool India', '9797979797', 'contact@whirlpool.com', 'Pune, Maharashtra, India'),
- (10, 'Nikon India', '9696969696', 'service@nikon.in', 'Tokyo, Japan'),
- (11, 'Bajaj Electricals', '9595959595', 'support@bajajelectricals.com', 'Mumbai, Maharashtra, India');

Purchases

INSERT INTO **Purchases** (purchase_id, supplier_id, order_date, total_cost, status)
VALUES

- (1, 1, '2024-09-01', 250000.00, 'Ordered'),
- (2, 2, '2024-09-10', 500000.00, 'Received'),

```
(3, 3, '2024-09-15', 150000.00, 'Ordered'),

(4, 4, '2024-10-04', 120000.00, 'Ordered'),

(5, 5, '2024-10-05', 250000.00, 'Received'),

(6, 6, '2024-10-06', 180000.00, 'Ordered'),

(7, 8, '2024-10-07', 400000.00, 'Ordered'),

(8, 9, '2024-10-08', 150000.00, 'Received'),

(9, 10, '2024-10-09', 250000.00, 'Pending');
```

■ PurchaseDetails

INSERT INTO **PurchaseDetails** (purchase_detail_id, purchase_id, product_id, quantity, cost_price)

VALUES

```
(1, 1, 1, 10, 25000.00),

(2, 2, 2, 5, 75000.00),

(3, 3, 3, 3, 50000.00),

(4, 4, 5, 10, 12000.00),

(5, 5, 6, 5, 50000.00),

(6, 6, 7, 3, 60000.00),

(7, 7, 9, 8, 45000.00),

(8, 8, 12, 6, 12000.00),

(9, 9, 13, 4, 40000.00);
```

Payments

INSERT INTO **Payments** (payment_id, sale_id, payment_date, payment_amount, payment_type, payment_status)

VALUES

```
(1, 1, '2024-10-01', 109999.97, 'Credit Card', 'Completed'),
```

(9, 9, '2024-10-09', 17999.99, 'Cash', 'Completed');

*** Select & Desc ***

```
mysql> use Vijay_Sales_Shop;
Database changed
mysql> show tables;
 Tables_in_vijay_sales_shop
 brands
 categories
 customers
 inventory
 locations
 payments
 products
 purchasedetails
 purchases
 sales
salesdetails
suppliers
```

select * from Products;

mysql> select	* from products;						
product_id	product_name	category_id	brand_id	price	description	warranty_period	stock_quantity
1	Samsung LED TV 43" iPhone 14	1	1		43-inch LED TV with Full HD resolution 128GB, Midnight Black	24	10
3	Dell Inspiron Laptop	3	3	45999.99	Core i5, 8GB RAM, 512GB SSD	12	8
5	Sony Headphones WH-1000XM4 LG Refrigerator 190L	4 5	4 5	19999.99 15999.99	Noise-canceling wireless headphones 190L single-door refrigerator with smart inverter compressor	12 24	20 12
6 7	HP Pavilion Laptop 14" Canon EOS 1500D DSLR Camera] 3 6	6 7		Core i7, 16GB RAM, 1TB SSD 24.1MP DSLR camera with dual-lens kit	12 12	7 5
8	Philips Air Fryer HD9216 Sony Bravia 55" LED TV	7	8	8499.99 54999.99	Rapid Air Technology for healthier frying 4K UHD Smart LED TV with HDR and Android OS	12 24	18
10	Samsung Galaxy S21	2	2	69999.99	128GB storage, 8GB RAM, Exynos 2100	12	20
11 12	Dell Inspiron 15" Whirlpool Washing Machine 6.5kg] 3 5	10 11	17999.99	Core i5, 8GB RAM, 512GB SSD, Windows 10 6.5kg fully automatic front-load	12 24	10 8
13	Nikon D5600 DSLR Camera Bajaj Microwave Oven 20L	6 7	12 13		24.2MP DSLR with 18-55mm lens Convection microwave with digital display	12 12	5 12
÷	· +	· +		+	· +		ii

select * from Categories;

mysql> select * from categories;

category_id	category_name
1 2 3 4 1 5 6 7 8	Television Mobile Phones Laptops Headphones Refrigerators Cameras Kitchen Appliances
9	Washing Machines
+	

select * from Brands;

mysql> select * from brands;							
brand_id	brand_name	brand_country					
1 2 3 4 5 6 7 8 9 10 11	Samsung Apple Dell Sony LG HP Canon Philips Sony Dell Whirlpool	South Korea United States United States Japan South Korea United States Japan Japan Netherlands Japan United States United States					
12 13	Nikon Bajaj 	Japan					

select * from Customers;

mysql> select * from customers;

į	customer_id	first_name	last_name	email	phone	address	city	state	zip_code
	1 2 3 4 5 6 7 8	Ravi Anita Raj Priya Amit Neha Rajesh Suman Akhil	Sharma Verma Patel Kumar Singh Joshi Patel Sharma Verma	ravi.sharma@gmail.com anita.verma@gmail.com raj.patel@gmail.com priya.kumar@gmail.com amit.singh@gmail.com neha.joshi@gmail.com rajesh.patel@gmail.com suman.sharma@gmail.com akhil.verma@dmail.com	9123456789 9234567890 9345678901 9456123456 9561234567 9671234568 9876543210 9765432189 8896541234	123 Main Street 456 Park Avenue 789 Hill Road Apartment 42, Sector 22 Bungalow 19, Shivaji Nagar Flat 13B, Race Course Road House 29, MG Road Apartment 4A, South City Building 21. Banjara Hills	Mumbai Pune Surat Noida Nagpur Indore Pune Kolkata Hyderabad	Maharashtra Maharashtra Gujarat Uttar Pradesh Maharashtra Madhya Pradesh Maharashtra West Bengal Telandana	400001 411001 395007 201301 440010 452001 411001 700047 500034

select * from Sales;

mysql> select * from sales;

			<u>.</u>		
	sale_id	customer_id	sale_date	total_amount	payment_method
	1 2 3 4 5 6 7	1 2 3 4 5 6 7	2024-10-01 2024-10-02 2024-10-03 2024-10-04 2024-10-05 2024-10-06 2024-10-07	109999.97 79999.99 29999.99 15999.99 60999.99 8499.99	Credit Card Debit Card Cash UPI Credit Card Debit Card Credit Card
	8 9	8 9	2024-10-08 2024-10-09	69999.99 17999.99	UPI Cash
7					+

select * from SalesDetails;

mysql> select * from salesdetails;

sale_detail_id	sale_id	product_id	quantity	price_at_sale	discount
	<u> </u>	 	·		·
1	1	1	1	29999.99	0.00
2	1	2	1	79999.99	0.00
3	2	2	1	79999.99	0.00
4	3	1 1	1	29999.99	0.00
5	4	5	1	15999.99	500.00
6	5	6	1	60999.99	0.00
7	6	8	1	8499.99	200.00
8	,	9	1	54999.99	0.00
9	8	10	1	69999.99	2000.00
10	9	12	1	17999.99	500.00

select * from Inventory;

mysql> select * from inventory;

+				·	
inventor	y_id	product_id	location_id	quantity	last_updated
İ	1	1	1	10	2024-10-01 00:00:00
1	2	2	1	15	2024-10-01 00:00:00
İ	3	3	2	8	2024-10-01 00:00:00
ĺ	4	4	2	20	2024-10-01 00:00:00
1	5	5	1	12	2024-10-04 00:00:00
1	6	6	1	7	2024-10-05 00:00:00
1	7	7	2	5	2024-10-06 00:00:00
1	8	8	2	18	2024-10-06 00:00:00
1	9	9	3	15	2024-10-07 00:00:00
1	10	10	2	20	2024-10-08 00:00:00
1	11	11	1	10	2024-10-09 00:00:00
I	12	12	2	8	2024-10-09 00:00:00
+		+	+	+	

select * from Locations;

mysql> select * from locations;

location_id	store_name	address	city	state	zip_code
2 3 4 5	Vijay Sales - Andheri Vijay Sales - Bandra Vijay Sales - Thane Vijay Sales - Vashi Vijay Sales - Andheri Vijay Sales - Kandivali	Plot 21, Andheri West Shop No. 10, Linking Road Shop No. 22, Ghodbunder Road Plot 5, Sector 17 Plot No. 9, Andheri West Station Road, Kandivali East	Mumbai Mumbai Thane Navi Mumbai Mumbai Mumbai	Maharashtra Maharashtra Maharashtra Maharashtra Maharashtra Maharashtra	400053 400050 400601 400703 400058 400101

select * from Suppliers;

mysql> select	* from suppliers;			
supplier_id	supplier_name	contact_number	email	address
1 2 3 4 5 6 7 7 8 9 9	Samsung Electronics Apple Inc. Dell India LG Electronics HP India Canon India Philips India Sony India	98765432109 9765432109 9654321098 9988776655 9876543212 9765432107 9654321096 9898989898	contact@samsung.com sales@apple.com info@dell.com lg@lgelectronics.com info@hp.com support@canon.in service@philips.com support@somport@canon.in	Seoul, South Korea Cupertino, CA, USA Bangalore, Karnataka, India Seoul, South Korea Bengaluru, Karnataka, India Noida, Uttar Pradesh, India Gurgaon, Haryana, India Tokyo, Japan Pune, Maharashtra, India
10 11	Nikon India Bajaj Electricals	9696969696 9595959595	service@nikon.in support@bajajelectricals.com	Tokyo, Japan Mumbai, Maharashtra, India

select * from Purchases;

mysql> select * from purchases;								
purchase_id	supplier_id	order_date	total_cost	status				
1 1	1	2024-09-01	250000.00	Ordered				
2	2	2024-09-10	500000.00	Received				
3	3	2024-09-15	150000.00	Ordered				
4	4	2024-10-04	120000.00	Ordered				
5	5	2024-10-05	250000.00	Received				
6	6	2024-10-06	180000.00	Ordered				
7	8	2024-10-07	400000.00	Ordered				
8	9	2024-10-08	150000.00	Received				
9	10	2024-10-09	250000.00	Pending				
++	·	+	+	++				

select * from PurchaseDetails;

mysql> select * from purchasedetails;

+	+	, }		·+
purchase_detail_id	purchase_id	product_id	quantity	cost_price
] 1	1	1	10	25000.00
2	2	2	5	75000.00
3	3	3	3	50000.00
4	4	5	10	12000.00
5	5	6	5	50000.00
6	6	7	3	60000.00
7	7	9	8	45000.00
8	8	12	6	12000.00
9	9	13	4	40000.00

select * from Payments;

mysql> select * from payments;

+	ysqt> setect ~ flom payments,							
j p	ayment_id	sale_id	payment_date	payment_amount	payment_type	payment_status		
+ 	1 2 3 4 5 6 7	1 2 3 4 5 6	2024-10-01 00:00:00 2024-10-02 00:00:00 2024-10-03 00:00:00 2024-10-04 00:00:00 2024-10-05 00:00:00 2024-10-06 00:00:00 2024-10-07 00:00:00	109999.97 79999.99 29999.99 15999.99 60999.99 8499.99	Credit Card Debit Card Cash UPI Credit Card Debit Card Credit Card	Completed Completed Completed Completed Completed Completed Completed		
	8 9	8	2024-10-08 00:00:00 2024-10-09 00:00:00	69999.99 17999.99	UPI Cash	Completed Completed		

DESC

DESC **Products**;

mysql> desc products;

Field	Туре	Null	Key	Default	Extra
product_id product_name category_id brand_id price description warranty_period	int varchar(255) int int decimal(10,2) text int int	NO NO YES YES NO YES YES	PRI MUL MUL 	NULL NULL NULL NULL NULL NULL NULL	auto_increment

DESC Categories;

mysql> desc categ	gories;		L	L	
Field	Туре	Null	Key	Default	Extra
category_id				NULL NULL	auto_increment

DESC **Brands**;

mysql> desc brand	ds;				
Field	Туре	Null	Key	Default	Extra
brand_name	int varchar(255) varchar(255)		PRI	NULL NULL NULL	auto_increment

DESC Customers;

mysql> desc customers;							
Field	Type	Null	Key	Default	Extra		
customer_id first_name last_name email phone address city state zip_code	int varchar(255) varchar(255) varchar(255) varchar(15) text varchar(100) varchar(100) varchar(100)	NO NO YES YES NO YES YES YES	PRI	NULL NULL NULL NULL NULL NULL NULL NULL	auto_increment		

DESC **Sales**;

mysql> desc sales;					
Field	Туре	Null	Key	Default	Extra
sale_id customer_id sale_date total_amount payment_method	int int date decimal(10,2) varchar(50)	NO YES NO NO YES	PRI MUL 	NULL NULL NULL NULL	auto_increment

DESC SalesDetails;

mysql> desc salesdetails;

Field	Туре	Null	Key	Default	Extra
sale_detail_id sale_id product_id quantity price_at_sale discount	int int int int decimal(10,2) decimal(10,2)	NO YES YES NO YES YES	PRI MUL MUL	NULL NULL NULL NULL NULL	auto_increment

DESC **Inventory**;

mvsal>	desc	inventory;
y = q c ·	4656	

mysqc desc 111ve	y,				
Field	Туре	Null	Key	Default	Extra
inventory_id product_id location_id quantity last_updated	int int int int datetime	NO YES YES NO YES	PRI MUL MUL	NULL NULL NULL NULL	auto_increment

DESC **Locations**;

mvsal>	dosc	locations:
III V S u L /	uesc	LUCALIUNS.

inysqc dese cod					
Field	Туре	Null	Key	Default	Extra
location_id store_name address city state zip_code	int varchar(255) text varchar(100) varchar(100) varchar(10)	NO NO YES YES YES YES	PRI	NULL NULL NULL NULL NULL	auto_increment

DESC Suppliers;

mvsal>	desc	suppliers:

mysqc/ desc suppt.	Leis,		L		
Field	Туре	Null	Key	Default	Extra
supplier_id supplier_name contact_number email address	int varchar(255) varchar(15) varchar(255) text	NO NO YES YES YES	PRI UNI	NULL NULL NULL NULL	auto_increment

DESC Purchases;

mysql> desc pu	rchases; 	.	·		tt
Field	Туре	Null	Key	Default	Extra
purchase_id supplier_id order_date total_cost status		NO YES NO NO YES	PRI MUL	NULL NULL NULL NULL	auto_increment

DESC PurchaseDetails;

mysql> desc purchasede	etails;	.	L	L	·+
Field	Туре	Null	Key	Default	Extra
purchase_detail_id purchase_id product_id quantity cost_price	int int int int decimal(10,2)	NO YES YES NO YES	PRI MUL MUL	NULL NULL NULL NULL	auto_increment

DESC Payments;

mysql> desc payments;							
Field	Туре	Null	Key	Default	Extra		
payment_id sale_id payment_date payment_amount payment_type payment_status	int int datetime decimal(10,2) varchar(50) varchar(50)	NO YES NO NO YES YES	PRI MUL 	NULL NULL NULL NULL NULL NULL	auto_increment		

*** Questions ***

-- How many SHop are in Mumbai?

SELECT store_name, address ,city

FROM locations

WHERE city = 'Mumbai';

-- How many customers are from Mumbai?

SELECT first_name, last_name ,city,state

FROM Customers

WHERE state = 'Maharashtra';

-- How many Brands are from Japan?

SELECT Brand_name

FROM Brands

WHERE brand_country = 'Japan'

-- find all products with names that start with "Samsung":

SELECT * FROM Products

WHERE product_name LIKE 'Samsung%';

п		* FROM Products product_name LIKE 'Sar	nsung%';		·			.
į	product_id	product_name	category_id	brand_id	price	description	warranty_period	stock_quantity
į		Samsung LED TV 43" Samsung Galaxy S21				43-inch LED TV with Full HD resolution 128GB storage, 8GB RAM, Exynos 2100	24 12	10 20

-- find all products where the second character in the name is "a":

SELECT * FROM Products

WHERE product_name LIKE '_a%';

mysql> SELECT * FROM -> WHERE product	! Products t_name LIKE '_a%';						
product_id produ	uct_name	category_id	brand_id	price	description	warranty_period	stock_quantity
7 Canon 10 Samsu	ung LED TV 43" n EOS 1500D DSLR Camera ung Galaxy S21 j Microwave Oven 20L	1 6 2 7	7	35999.99 69999.99	43-inch LED TV with Full HD resolution 24.1MP DSLR camera with dual-lens kit 128GB storage, 8GB RAM, Exynos 2100 Convection microwave with digital display	24 12 12 12	10 5 20 12

-- find all products that contain "Laptop" in their name:

SELECT * FROM Products

WHERE product_name LIKE '%Laptop%';

ľ	mysql> SELECT * FROM Products -> WHERE product_name LIKE '%Laptop%';							
	product_id	product_name	category_id	brand_id	price	description	warranty_period	stock_quantity
		Dell Inspiron Laptop HP Pavilion Laptop 14"	3	3 6		Core i5, 8GB RAM, 512GB SSD Core i7, 16GB RAM, 1TB SSD	12 12	8 7

- -- What are the first names, last names, and email addresses of customers
- -- whose first names start with the letter "A"?

SELECT first_name, last_name, email

FROM Customers

WHERE first_name LIKE 'A%';

-- What is the total revenue generated from sales?

SELECT SUM(total_amount) AS total_revenue

FROM Sales;

-- What is the total number of customers and the total sales amount?

SELECT (SELECT COUNT(*) FROM Customers) AS total_customers,

(SELECT SUM(total_amount) FROM Sales) AS total_sales;

-- What is the list of all products along with their category, brand, price, and stock quantity?

SELECT

```
p.product_name,
c.category_name,
```

```
b.brand_name,p.price,p.stock_quantityFROM Products p
```

JOIN Categories c ON p.category_id = c.category_id

JOIN Brands b ON p.brand_id = b.brand_id;

product_name	category_name	brand_name	price	stock_quantity
Samsung LED TV 43"	Television	Samsung	29999.99	10
iPhone 14	Mobile Phones	Apple	79999.99	15
Samsung Galaxy S21	Mobile Phones	Apple	69999.99	20
Dell Inspiron Laptop	Laptops	Dell	45999.99	8
Sony Headphones WH-1000XM4	Headphones	Sony	19999.99	20
LG Refrigerator 190L	Refrigerators	LG	15999.99	12
HP Pavilion Laptop 14"	Laptops	HP	60999.99	7
Canon EOS 1500D DSLR Camera	Cameras	Canon	35999.99	5
Philips Air Fryer HD9216	Kitchen Appliances	Philips	8499.99	18
Sony Bravia 55" LED TV	Television	Sony	54999.99	15
Dell Inspiron 15"	Laptops	Dell	48999.99	10
Whirlpool Washing Machine 6.5kg	Refrigerators	Whirlpool	17999.99	8
Nikon D5600 DSLR Camera	Cameras	Nikon	44999.99	5
Bajaj Microwave Oven 20L	Kitchen Appliances	Bajaj	5999.99	12
+	·	+		++

-- Which products are currently below 8 stocks?

SELECT product_name

FROM Products

WHERE stock_quantity < 8;

```
-- What is the total amount spent by each customer?

SELECT

c.first_name,

c.last_name,

SUM(s.total_amount) AS total_spent

FROM Sales s
```

JOIN Customers c ON s.customer_id = c.customer_id

GROUP BY c.customer_id, c.first_name, c.last_name;

```
mysql> SELECT
         c.first_name,
         c.last_name,
        SUM(s.total_amount) AS total_spent
   -> FROM Sales s
   -> JOIN Customers c ON s.customer_id = c.customer_id
   -> GROUP BY c.customer_id, c.first_name, c.last_name;
first_name | last_name | total_spent |
 Ravi
                        109999.97
          Sharma
 Anita
           Verma
                          79999.99
           Patel
                          29999.99
 Raj
Priya
           Kumar
                         15999.99
 Amit
           Singh
                          60999.99
            Joshi
                           8499.99
 Rajesh
           Patel
                           54999.99
Suman
            Sharma
                           69999.99
Akhil
                           17999.99
```

-- What is the total quantity sold and total revenue for each product?

SELECT

```
p.product_name,
SUM(sd.quantity) AS total_quantity_sold,
SUM(sd.price_at_sale * sd.quantity) AS total_revenue
FROM SalesDetails sd
JOIN Products p ON sd.product_id = p.product_id
```

GROUP BY p.product_name;

product_name	total_quantity_sold	total_revenue
Samsung LED TV 43" iPhone 14 LG Refrigerator 190L HP Pavilion Laptop 14" Philips Air Fryer HD9216 Sony Bravia 55" LED TV Samsung Galaxy S21 Whirlpool Washing Machine 6.5kg	2 2 1 1 1 1 1	59999.98 159999.98 15999.99 60999.99 8499.99 54999.99 69999.99

-- Who are the top 5 customers based on total purchase amount?

```
SELECT
```

```
c.first_name,
c.last_name,
SUM(s.total_amount) AS total_spent
FROM Sales s

JOIN Customers c ON s.customer_id = c.customer_id
GROUP BY c.customer_id, c.first_name, c.last_name
ORDER BY total_spent DESC

LIMIT 5;
```

```
mysql> SELECT
    ->
          c.first_name,
    ->
           c.last_name,
           SUM(s.total_amount) AS total_spent
    -> FROM Sales s
    -> JOIN Customers c ON s.customer_id = c.customer_id
    -> GROUP BY c.customer_id, c.first_name, c.last_name
    -> ORDER BY total_spent DESC
    -> LIMIT 5;
| first_name | last_name | total_spent
 Ravi
             | Sharma
                             109999.97
 Anita
             Verma
                             79999.99
 Suman
             Sharma
                              69999.99
             | Singh
 Amit
                              60999.99
 Rajesh
             Patel
                              54999.99
```

-- What is the inventory count for each product across all store locations?

SELECT

```
l.store name,
  p.product name,
  i.quantity AS stock_quantity
FROM Inventory i
JOIN Products p ON i.product id = p.product id
```

mysql> SELECT

->

JOIN Locations I ON i.location id = I.location id;

```
l.store_name,
             p.product_name
    ->
             i.quantity AS stock_quantity
    -> FROM Inventory i
    -> JOIN Products p ON i.product_id = p.product_id
    -> JOIN Locations | ON i.location_id = l.location_id;
| store_name
                              | product_name
                                                                         | stock_quantity |
 Vijay Sales - Andheri | Samsung LED TV 43"
Vijay Sales - Andheri | iPhone 14
                                                                                          15
 Vijay Sales - Bandra | Dell Inspiron Laptop
                                                                                           8
 Vijay Sales - Bandra | Sony Headphones WH-1000XM4
                                                                                          20
 Vijay Sales - Andheri | LG Refrigerator 190L
Vijay Sales - Andheri | HP Pavilion Laptop 14"
                                                                                          12
                                                                                           7
 Vijay Sales - Bandra | Canon EOS 1500D DSLR Camera
 Vijay Sales - Bandra | Philips Air Fryer HD9216
Vijay Sales - Thane | Sony Bravia 55" LED TV
                                                                                          18
                                                                                          15
 Vijay Sales - Bandra | Samsung Galaxy S21
Vijay Sales - Andheri | Dell Inspiron 15"
                                                                                          20
                                                                                          10
 Vijay Sales - Bandra | Whirlpool Washing Machine 6.5kg |
```

```
-- How much revenue is generated by each payment method?

SELECT

payment_method,

SUM(total_amount) AS total_revenue

FROM Sales

GROUP BY payment_method;

mysql> SELECT
```

-- What is the average discount offered on each product?

SELECT

```
p.product_name,
AVG(sd.discount) AS average_discount
```

FROM SalesDetails sd

JOIN Products p ON sd.product_id = p.product_id

GROUP BY p.product_name;

```
mysql> SELECT
   ->
          p.product_name,
   ->
          AVG(sd.discount) AS average_discount
   -> FROM SalesDetails sd
   -> JOIN Products p ON sd.product_id = p.product_id
   -> GROUP BY p.product_name;
 product_name
                                 | average_discount |
 Samsung LED TV 43"
                                         0.000000
                                         0.000000
iPhone 14
                                       500.000000
LG Refrigerator 190L
HP Pavilion Laptop 14"
                                         0.000000
                                      200.000000
 Philips Air Fryer HD9216
 Sony Bravia 55" LED TV
                                          0.000000
                                      2000.000000 |
500.000000 |
 Samsung Galaxy S21
| Whirlpool Washing Machine 6.5kg |
```

-- List the suppliers and the status of their latest purchase orders.

```
p.order_date,
p.status

FROM Purchases p

JOIN Suppliers s ON p.supplier_id = s.supplier_id

ORDER BY s.supplier_name, p.order_date DESC;
```

```
mysql> SELECT
             s.supplier_name,
               p.order_date,
              p.status
     -> FROM Purchases p
     -> JOIN Suppliers s ON p.supplier_id = s.supplier_id
     -> ORDER BY s.supplier_name, p.order_date DESC;
| supplier_name | order_date | status

      Apple Inc.
      | 2024-09-10 | Received

      Canon India
      | 2024-10-06 | Ordered

      Dell India
      | 2024-09-15 | Ordered

      HP India
      | 2024-10-05 | Received

Apple Inc.
  HP India
 LG Electronics | 2024-10-04 | Ordered
Nikon India | 2024-10-09 | Pending
  Samsung Electronics | 2024-09-01 | Ordered
                      | 2024-10-07 | Ordered
  Sony India
| Whirlpool India
                             | 2024-10-08 | Received |
```

-- Which products have stock below 10 units?

SELECT

product_name,
stock_quantity

FROM Products

WHERE stock_quantity < 10;

-- What are the sales made between specific dates?

SELECT sale_id, customer_id, sale_date, total_amount

FROM Sales

WHERE sale_date BETWEEN '2024-10-01' AND '2024-10-31';

```
mysql> SELECT
       sale_id,
          customer_id,
   -> sale_date,
-> total_amount
    -> FROM Sales
    -> WHERE sale_date BETWEEN '2024-10-01' AND '2024-10-31';
| sale_id | customer_id | sale_date | total_amount |
                     1 | 2024-10-01 | 109999.97
2 | 2024-10-02 | 79999.99
                 1 | 2024-10-01 |
2 | 2024-10-02 |
                                          29999.99
                     3 | 2024-10-03 |
                    4 | 2024-10-04 |
                                          15999.99
                    5 | 2024-10-05 |
                                          60999.99
                                           8499.99
                    6 | 2024-10-06 |
                     7 | 2024-10-07 |
                                          54999.99
                    8 | 2024-10-08 |
                                          69999.99
                     9 | 2024-10-09 |
                                            17999.99
```

```
->
          c.last_name,
          p.product_name,
   ->
          sd.quantity,
          sd.price_at_sale
   -> FROM SalesDetails sd
   -> JOIN Sales s ON sd.sale_id = s.sale_id
   -> JOIN Customers c ON s.customer_id = c.customer_id
   -> JOIN Products p ON sd.product_id = p.product_id
   -> WHERE c.customer_id = 1;
| first_name | last_name | product_name
                                               | quantity | price_at_sale
                           Samsung LED TV 43"
 Ravi
              Sharma
                                                        1 |
                                                                 29999.99
                         | iPhone 14
                                                                 79999.99
 Ravi
              Sharma
                                                        1 |
```

-- What are the contact details of all customers?

SELECT first_name, last_name, email, phone FROM Customers;

```
mysql> SELECT
   -> first_name,
   -> last_name,
   -> email,
   -> phone
```

-> FROM Customers;

Ravi	first_name	last_name	email	phone
	Anita Raj Priya Amit Neha Rajesh Suman	Verma Patel Kumar Singh Joshi Patel Sharma	anita.verma@gmail.com raj.patel@gmail.com priya.kumar@gmail.com amit.singh@gmail.com neha.joshi@gmail.com rajesh.patel@gmail.com suman.sharma@gmail.com	9234567890 9345678901 9456123456 9561234567 9671234568 9876543210 9765432189

-- Which products have generated the highest revenue?

SELECT p.product_name,

SUM(sd.price_at_sale * sd.quantity) AS total_revenue

FROM SalesDetails sd

JOIN Products p ON sd.product_id = p.product_id

GROUP BY p.product_name

ORDER BY total_revenue DESC;

mysql> SELECT

- -> p.product_name,
- -> SUM(sd.price_at_sale * sd.quantity) AS total_revenue
- -> FROM SalesDetails sd
- -> JOIN Products p ON sd.product_id = p.product_id
- -> GROUP BY p.product_name
- -> ORDER BY total_revenue DESC;

1	
product_name	total_revenue
iPhone 14 Samsung Galaxy S21 HP Pavilion Laptop 14" Samsung LED TV 43" Sony Bravia 55" LED TV Whirlpool Washing Machine 6.5kg LG Refrigerator 190L Philips Air Fryer HD9216	159999.98 69999.99 60999.98 59999.98 54999.99 17999.99 15999.99

```
-- How many sales were made each month?
SELECT DATE_FORMAT(sale_date, '%Y-%m') AS month,
  COUNT(sale_id) AS total_sales
FROM Sales
GROUP BY month
ORDER BY month;
mysql> SELECT
          DATE_FORMAT(sale_date, '%Y-%m') AS month,
          COUNT(sale_id) AS total_sales
    -> FROM Sales
    -> GROUP BY month
    -> ORDER BY month;
 month
          | total_sales |
-- What is the total sales amount for each product category?
SELECT c.category_name,
  SUM(s.total_amount) AS total_sales
FROM Sales s
JOIN SalesDetails sd ON s.sale_id = sd.sale_id
JOIN Products p ON sd.product_id = p.product_id
JOIN Categories c ON p.category_id = c.category_id
```

GROUP BY c.category_name;

-- How many purchases has each customer made?

SELECT

c.first_name,

c.last_name,

COUNT(s.sale_id) AS purchase_count

FROM Customers c

LEFT JOIN Sales s ON c.customer_id = s.customer_id

GROUP BY c.customer_id;

```
mysql> SELECT
   -> c.first_name,
   -> c.last_name,
-> COUNT(s.sale_id) AS purchase_count
   -> FROM Customers c
   -> LEFT JOIN Sales s ON c.customer_id = s.customer_id
   -> GROUP BY c.customer_id;
| first_name | last_name | purchase_count |
          | Sharma
| Verma
| Patel
Ravi
                                        1
 Anita
                                        1
 Raj
                                        1
            | Kumar
 Priya
                                        1
             Singh
 Amit
 Neha
             Joshi
                                        1
 Rajesh
             Patel
                                        1
 Suman
             Sharma
 Akhil
             Verma
```

```
-- Which products are currently being offered at a discount?
SELECT
  p.product_name,
  sd.discount
FROM SalesDetails sd
JOIN Products p ON sd.product_id = p.product_id
WHERE sd.discount > 0;
mysql> SELECT
          p.product_name,
    ->
          sd.discount
    -> FROM SalesDetails sd
    -> JOIN Products p ON sd.product_id = p.product_id
    -> WHERE sd.discount > 0;
| product_name
                                 discount
 | LG Refrigerator 190L
                                    500.00
 | Philips Air Fryer HD9216
                                    200.00
                                 2000.00
 Samsung Galaxy S21
 Whirlpool Washing Machine 6.5kg |
                                  500.00
-- What is the total revenue generated each month?
SELECT DATE_FORMAT(s.sale_date, '%Y-%m') AS month,
  SUM(s.total_amount) AS total_revenue
FROM Sales s
GROUP BY month
ORDER BY month;
   mysql> SELECT
             DATE_FORMAT(s.sale_date, '%Y-%m') AS month,
             SUM(s.total_amount) AS total_revenue
      -> FROM Sales s
      -> GROUP BY month
      -> ORDER BY month;
    month | total_revenue |
    2024-10
                448499.89
```

```
-- Which suppliers have pending purchase orders?
SELECT
  s.supplier_name,
  p.order_date,
  p.status
FROM Purchases p
JOIN Suppliers s ON p.supplier_id = s.supplier_id
WHERE p.status = 'Pending';
mysql> SELECT
           s.supplier_name,
    ->
           p.order_date,
           p.status
    -> FROM Purchases p
    -> JOIN Suppliers s ON p.supplier_id = s.supplier_id
    -> WHERE p.status = 'Pending';
  supplier_name | order_date | status
 | Nikon India | 2024-10-09 | Pending
-- What is the total sales amount for each brand?
SELECT
  b.brand_name,
  SUM(s.total_amount) AS total_sales
FROM Sales s
JOIN SalesDetails sd ON s.sale_id = sd.sale_id
JOIN Products p ON sd.product_id = p.product_id
JOIN Brands b ON p.brand_id = b.brand_id
GROUP BY b.brand_name;
```

```
mysql> SELECT
   ->
          b.brand_name,
   ->
          SUM(s.total_amount) AS total_sales
   -> FROM Sales s
   -> JOIN SalesDetails sd ON s.sale_id = sd.sale_id
   -> JOIN Products p ON sd.product_id = p.product_id
   -> JOIN Brands b ON p.brand_id = b.brand_id
   -> GROUP BY b.brand_name;
 brand_name | total_sales |
 Samsung
              139999.96
 Apple
            259999.95
 LG
               15999.99
l HP
               60999.99
Philips
                8499.99
               54999.99
 Sony
| Whirlpool |
                17999.99
```

-- Which products have the highest number of sales?

SELECT

p.product_name,

COUNT(sd.sale_id) AS number_of_sales

FROM SalesDetails sd

JOIN Products p ON sd.product_id = p.product_id

GROUP BY p.product_name

ORDER BY number_of_sales DESC;

```
mysql> SELECT
          p.product_name,
           COUNT(sd.sale_id) AS number_of_sales
    -> FROM SalesDetails sd
   -> JOIN Products p ON sd.product_id = p.product_id
    -> GROUP BY p.product_name
    -> ORDER BY number_of_sales DESC;
| product_name
                                  | number_of_sales |
 Samsung LED TV 43"
 iPhone 14
 LG Refrigerator 190L
 HP Pavilion Laptop 14"
 Philips Air Fryer HD9216
                                                  1
 Sony Bravia 55" LED TV
                                                  1
 Samsung Galaxy S21
 Whirlpool Washing Machine 6.5kg |
```

-- What is the average order value across all sales?

SELECT AVG(total_amount) AS average_order_value

FROM Sales;

```
mysql> SELECT AVG(total_amount) AS average_order_value
    -> FROM Sales;
+-----+
| average_order_value |
+-----+
| 49833.321111 |
+-----+
```

-- What is the spending trend of customers over the last six months?

SELECT

```
DATE_FORMAT(s.sale_date, '%Y-%m') AS month,
SUM(s.total_amount) AS total_spent
```

FROM Sales s

WHERE s.sale_date >= DATE_SUB(CURDATE(), INTERVAL 6 MONTH)

GROUP BY month

ORDER BY month;

-- What is the total value of stock for each product?

SELECT

p.product_name, (p.price * p.stock_quantity) AS total_stock_value FROM Products p;

mysql> SELECT -> p.product_name, (p.price * p.stock_quantity) AS total_stock_value -> FROM Products p; | product_name | total_stock_value | | Samsung LED TV 43" 299999.90 1199999.85 | iPhone 14 | Dell Inspiron Laptop | Sony Headphones WH-1000XM4 367999.92 | 399999.80 | 191999.88 | 426999.93 | | LG Refrigerator 190L | HP Pavilion Laptop 14" 179999.95 Canon EOS 1500D DSLR Camera 152999.82 | Philips Air Fryer HD9216 | Sony Bravia 55" LED TV 824999.85 | Samsung Galaxy S21 1399999.80 | Dell Inspiron 15" 489999.90 l | Whirlpool Washing Machine 6.5kg | 143999.92 | Bajaj Microwave Oven 20L | Nikon D5600 DSLR Camera 224999.95

71999.88

Conclusion : -

The **Vijay Sales** SQL Database Management System (DBMS) provides a structured and efficient way to manage the essential operations of a retail business specializing in electronics and home appliances. By organizing data into well-defined tables—such as Products, Categories, Brands, Customers, Sales, Inventory, Locations, Suppliers, Purchases, and Payments—the database facilitates streamlined management of inventory, customer transactions, supplier relations, and financial records.

This robust system allows for real-time tracking of product availability, detailed sales analysis, customer insights, and efficient handling of supplier orders. The database enables Vijay Sales to make data-driven decisions, improving operational efficiency, customer service, and profitability. Additionally, with easy access to comprehensive transaction data and inventory control, Vijay Sales can respond quickly to market demands and customer needs, positioning it well for continued growth and success in a competitive retail environment.

*** THE END ***