Project for online shopping DBMS

Student name: Sushant Baliram Chavan

Email: chavansushant92@gmail.com

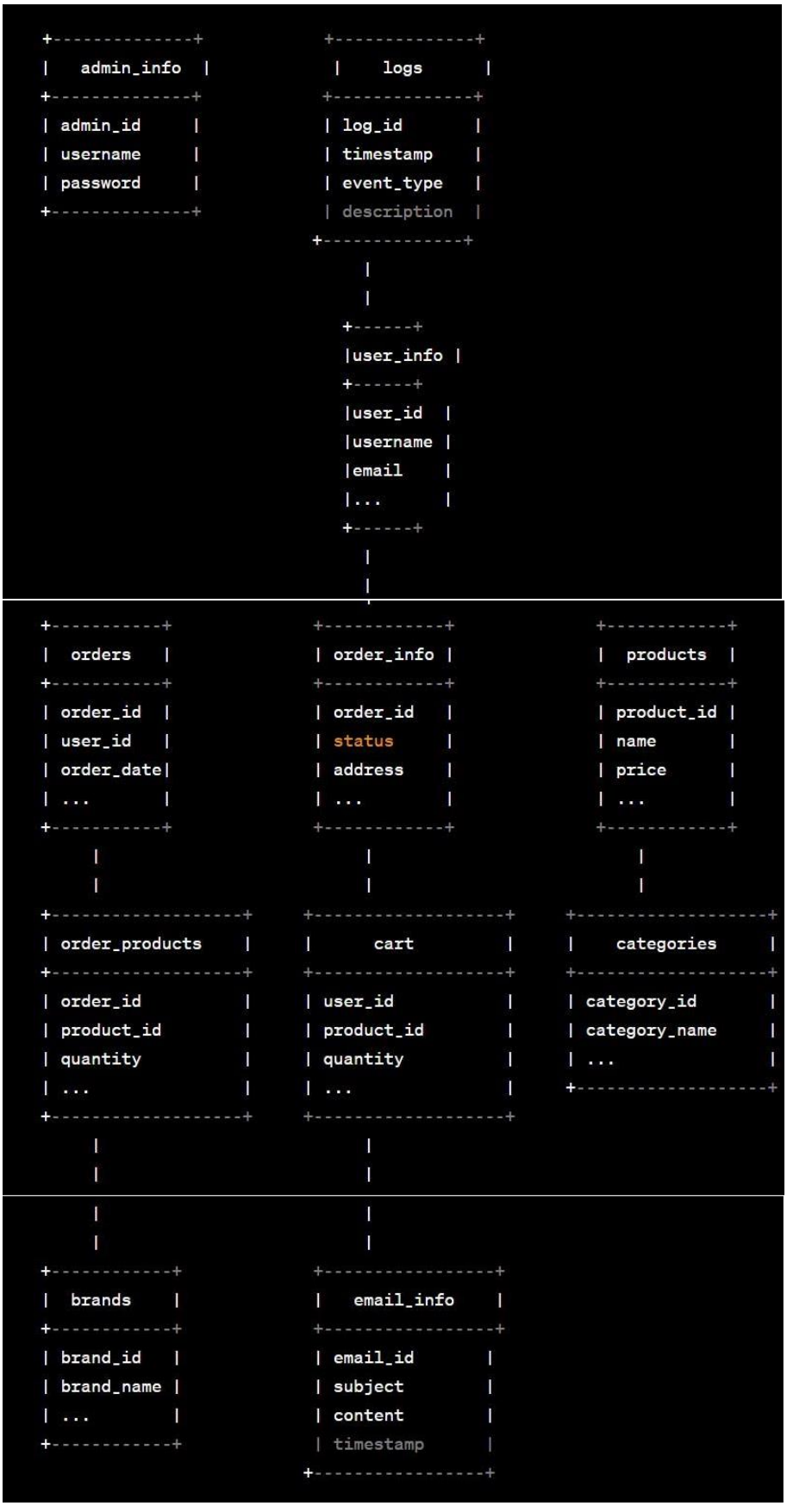
Online shopping DBMS

Project Aim: The aim of the "onlineshopping" SQL project is to develop a comprehensive and efficient database system that supports the operations of an online shopping platform. The project will focus on managing various aspects of the online shopping experience, including user information, product details, orders, administrative tasks, and system logs. By creating a well-structured and organized database system, the project aims to enhance the overall user experience and streamline the management of the online shopping platform.

Project Description: The "onlineshopping" SQL project aims to provide a robust database structure that can effectively handle the various components of an online shopping platform. The database will consist of multiple interconnected tables, each serving a specific purpose within the system.

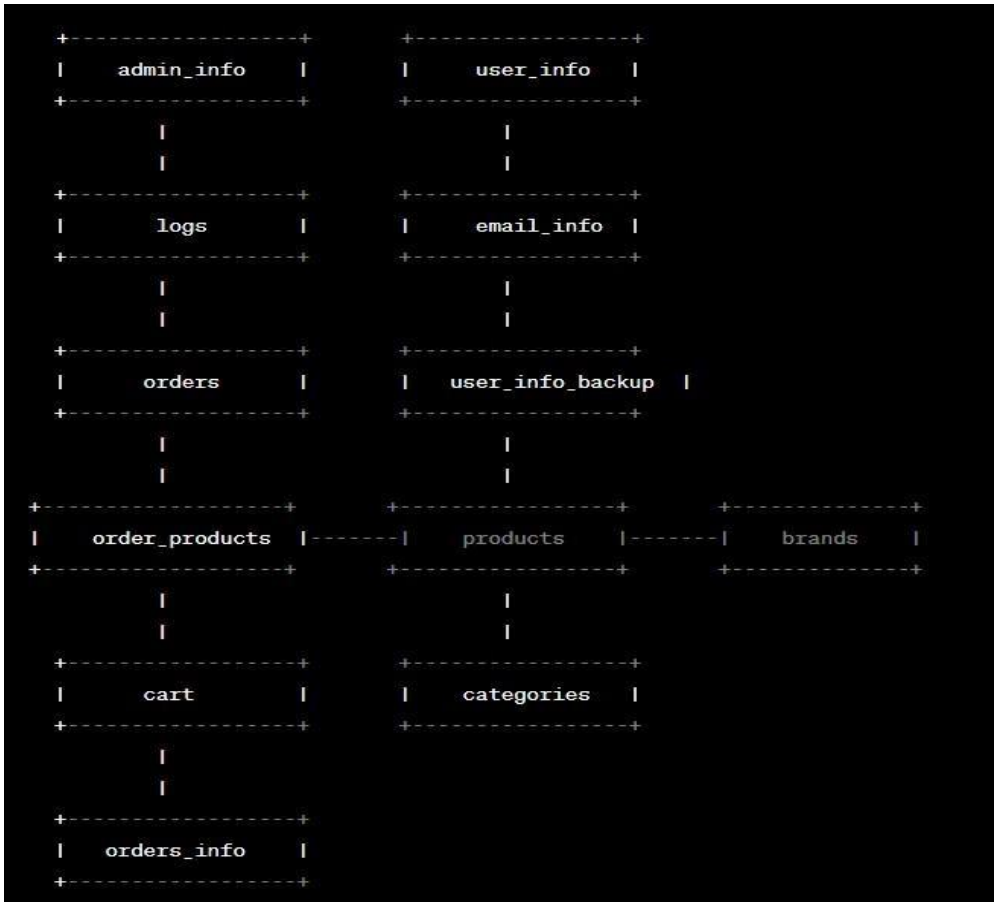
1. admin_info: This table will store information about the administrators of the online shopping platform, including their credentials and access privileges.
2. brands: This table will contain details about different product brands available on the platform, facilitating easy categorization and search for users.
3. cart: This table will keep track of the items that users add to their shopping carts before making a purchase, ensuring a seamless shopping experience.
4. categories: This table will store information about the different categories of products available for users to browse and purchase.
5. email_info: This table will handle the storage and management of email-related information, such as user notifications and communication logs.
6. logs: This table will record system logs, capturing important events and activities within the online shopping platform for future analysis and troubleshooting.
7. order_products: This table will manage the relationship between orders and the specific products purchased, allowing for accurate order tracking and inventory management.
8. orders: This table will store details about the orders placed by users, including order IDs, timestamps, and associated user information.
9. orders_info: This table will contain additional information related to orders, such as shipping details and payment status, ensuring efficient order processing and delivery.
10. products: This table will hold comprehensive information about the various products available for purchase on the online shopping platform, including product details, prices, and availability.
11. user_info: This table will store user-related information, including user profiles, login credentials, and personal details to facilitate a personalized and secure shopping experience.
12. user_info_backup: This table will serve as a backup for the user information table, ensuring data integrity and providing a recovery option in case of any data loss or corruption.

ER DIAGRAM :


admin_info
admin_id
username
password
logs
log_id
timestamp
event_type
description
user_info
user_id
username
email
...
orders
order_id
user_id
order_date
...
order_info
order_id
status
address
...
products
product_id
name
price
...
order_products
order_id
product_id
quantity
...
cart
user_id
product_id
quantity
...
categories
category_id
category_name
...
brands
brand_id
brand_name
...
email_info
email_id
subject
content
timestamp

In this ER diagram:

- Each rectangle represents an entity, and the ovals inside each rectangle represent the attributes of that entity.
- Lines between the entities represent the relationships between them.
- The solid lines between the entities represent primary keys and foreign keys connecting the tables.
- The ER diagram showcases the relationships between the different tables, such as users, orders, products, categories, and more, as described in the project description.



In this diagram, each box represents an entity, and the lines between them depict the relationships. The relationships between the entities are as follows:

1. admin_info relates to logs.
2. logs relate to email_info.
3. orders relate to order_products.
4. orders relate to user_info_backup.
5. order_products relate to products.
6. products relate to brands.
7. products relate to categories.

Table descriptions:

1. **admin_info**

Field	Type	Null	Key	Default	Extra
admin_id	int	NO	PRI	NULL	
admin_name	varchar(100)	NO		NULL	
admin_email	varchar(300)	NO		NULL	
admin_password	varchar(300)	NO		NULL	

2. **brands**

Field	Type	Null	Key	Default	Extra
brand_id	int	NO	PRI	NULL	
brand_title	text	NO		NULL	

3. **cart**

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
p_id	int	NO		NULL	
ip_add	varchar(250)	NO		NULL	
user_id	int	YES		NULL	
qty	int	NO		NULL	

4. **categories**

Field	Type	Null	Key	Default	Extra
cat_id	int	NO	PRI	NULL	
cat_title	text	NO		NULL	

5. **email_info**

Field	Type	Null	Key	Default	Extra
email_id	int	NO	PRI	NULL	
email	text	NO		NULL	

6. **logs**

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
user_id	varchar(50)	NO		NULL	
action	varchar(50)	NO		NULL	
date	datetime	NO		NULL	

7. **order_products**

Field	Type	Null	Key	Default	Extra
order_pro_id	int	NO	PRI	NULL	
order_id	int	NO	MUL	NULL	
product_id	int	NO	MUL	NULL	
qty	int	YES		NULL	
amt	int	YES		NULL	

8. **orders**

Field	Type	Null	Key	Default	Extra
order_id	int	NO	PRI	NULL	
user_id	int	NO		NULL	
product_id	int	NO		NULL	
qty	int	NO		NULL	
trx_id	varchar(255)	NO		NULL	
p_status	varchar(20)	NO		NULL	

9. **orders_info**

Field	Type	Null	Key	Default	Extra
order_id	int	NO	PRI	NULL	
user_id	int	NO	MUL	NULL	
f_name	varchar(255)	NO		NULL	
email	varchar(255)	NO		NULL	
address	varchar(255)	NO		NULL	
city	varchar(255)	NO		NULL	

state	varchar(255)	NO		NULL	
zip	int	NO		NULL	
cardname	varchar(255)	NO		NULL	
cardnumber	varchar(20)	NO		NULL	
expdate	varchar(255)	NO		NULL	
prod_count	int	YES		NULL	
total_amt	int	YES		NULL	
cvv	int	NO		NULL	

10. products

Field	Type	Null	Key	Default	Extra
product_id	int	NO	PRI	NULL	
product_cat	int	NO		NULL	
product_brand	int	NO		NULL	
product_title	varchar(255)	NO		NULL	
product_price	int	NO		NULL	
product_desc	text	NO		NULL	
product_image	text	NO		NULL	
product_keywords	text	NO		NULL	

11. user_info

Field	Type	Null	Key	Default	Extra
user_id	int	NO	PRI	NULL	
first_name	varchar(100)	NO		NULL	
last_name	varchar(100)	NO		NULL	
email	varchar(300)	NO		NULL	
password	varchar(300)	NO		NULL	
mobile	varchar(10)	NO		NULL	
address1	varchar(300)	NO		NULL	
address2	varchar(11)	NO		NULL	

12. **user_info_backup**

Field	Type	Null	Key	Default	Extra
user_id	int	NO	PRI	NULL	
first_name	varchar(100)	NO		NULL	
last_name	varchar(100)	NO		NULL	
email	varchar(300)	NO		NULL	
password	varchar(300)	NO		NULL	
mobile	varchar(10)	NO		NULL	
address1	varchar(300)	NO		NULL	
address2	varchar(11)	NO		NULL	

Commands:

CREATE DATABASE: CREATE

DATABASE onlineshop;

SELECT DATABASE:

USE onlineshop;

CREATING TABLE AND INSERTING VALUES:

```
CREATE TABLE admin_info (
  `admin_id` int(10) NOT NULL,
  `admin_name` varchar(100) NOT NULL,
  `admin_email` varchar(300) NOT NULL,
  `admin_password` varchar(300) NOT NULL
);


INSERT INTO admin_info (`admin_id`, `admin_name`, `admin_email`, `admin_password`)
VALUES
(1, 'admin', 'admin@gmail.com', '25f9e794323b453885f5181f1b624d0b');
```

```
CREATE TABLE `brands` (
  `brand_id` int(100) NOT NULL,
  `brand_title` text NOT NULL);

  INSERT INTO `brands` (`brand_id`, `brand_title`) VALUES
(1, 'HP'),
(2, 'Samsung'),
(3, 'Apple'),
(4, 'motorolla'),
(5, 'LG'),
(6, 'Cloth Brand');



CREATE TABLE `cart` (
  `id` int(10) NOT NULL,
  `p_id` int(10) NOT NULL,
  `ip_add` varchar(250) NOT NULL,
  `user_id` int(10) DEFAULT NULL,
  `qty` int(10) NOT NULL
);
INSERT INTO `cart` (`id`, `p_id`, `ip_add`, `user_id`, `qty`) VALUES
(6, 26, '::1', 4, 1),
(9, 10, '::1', 7, 1),
(10, 11, '::1', 7, 1),
(11, 45, '::1', 7, 1),
(44, 5, '::1', 3, 0),
(46, 2, '::1', 3, 0),
(48, 72, '::1', 3, 0),
```

```
(49, 60, '::1', 8, 1),
(50, 61, '::1', 8, 1),
(51, 1, '::1', 8, 1),
(52, 5, '::1', 9, 1),
(53, 2, '::1', 14, 1),
(54, 3, '::1', 14, 1),
(55, 5, '::1', 14, 1),
(56, 1, '::1', 9, 1),
(57, 2, '::1', 9, 1),
(71, 61, '127.0.0.1', -1, 1);

CREATE TABLE `categories` (
  `cat_id` int(100) NOT NULL,
  `cat_title` text NOT NULL
);
INSERT INTO `categories` (`cat_id`, `cat_title`) VALUES
(1, 'Electronics'),
(2, 'Ladies Wears'),
(3, 'Mens Wear'),
(4, 'Kids Wear'),
(5, 'Furnitures'),
(6, 'Home Appliances'),
(7, 'Electronics Gadgets');

CREATE TABLE `email_info` (
  `email_id` int(100) NOT NULL,
  `email` text NOT NULL
);
```

```
INSERT INTO `email_info` (`email_id`, `email`) VALUES
(3, 'admin@gmail.com'),
(4, 'puneethreddy951@gmail.com'),
(5, 'puneethreddy@gmail.com');

CREATE TABLE `logs` (
  `id` int(11) NOT NULL,
  `user_id` varchar(50) NOT NULL,
  `action` varchar(50) NOT NULL,
  `date` datetime NOT NULL
);




CREATE TABLE `orders` (
  `order_id` int(11) NOT NULL,
  `user_id` int(11) NOT NULL,
  `product_id` int(11) NOT NULL,
  `qty` int(11) NOT NULL,
  `trx_id` varchar(255) NOT NULL,
  `p_status` varchar(20) NOT NULL
);

INSERT INTO `orders` (`order_id`, `user_id`, `product_id`, `qty`, `trx_id`, `p_status`)
VALUES
(1, 12, 7, 1, '07M47684BS5725041', 'Completed'),
(2, 14, 2, 1, '07M47684BS5725041', 'Completed');
```

```
CREATE TABLE `orders_info` (
  `order_id` int(10) NOT NULL,
  `user_id` int(11) NOT NULL,
  `f_name` varchar(255) NOT NULL,
  `email` varchar(255) NOT NULL,
  `address` varchar(255) NOT NULL,
  `city` varchar(255) NOT NULL,
  `state` varchar(255) NOT NULL,
  `zip` int(10) NOT NULL,
  `cardname` varchar(255) NOT NULL,
  `cardnumber` varchar(20) NOT NULL,
  `expdate` varchar(255) NOT NULL,
  `prod_count` int(15) DEFAULT NULL,
  `total_amt` int(15) DEFAULT NULL,
  `cvv` int(5) NOT NULL
);

INSERT INTO `orders_info` (`order_id`, `user_id`, `f_name`, `email`, `address`, `city`, `state`, `zip`, `cardname`, `cardnumber`, `expdate`, `prod_count`, `total_amt`, `cvv`) VALUES
(1, 12, 'Puneeth', 'puneethreddy951@gmail.com', 'Bangalore, Kumbalagodu, Karnataka', 'Bangalore', 'Karnataka', 560074, 'pokjhgfcxc', '4321 2345 6788 7654', '12/90', 3, 77000, 1234);


CREATE TABLE `order_products` (
  `order_pro_id` int(10) NOT NULL,
  `order_id` int(11) NOT NULL,
  `product_id` int(11) NOT NULL,
  `qty` int(15) DEFAULT NULL,
```

```
  `amt` int(15) DEFAULT NULL
);

INSERT INTO `order_products` (`order_pro_id`, `order_id`, `product_id`, `qty`, `amt`) VALUES
(73, 1, 1, 1, 5000),
(74, 1, 4, 2, 64000),
(75, 1, 8, 1, 40000);

CREATE TABLE `products` (
  `product_id` int(100) NOT NULL,
  `product_cat` int(100) NOT NULL,
  `product_brand` int(100) NOT NULL,
  `product_title` varchar(255) NOT NULL,
  `product_price` int(100) NOT NULL,
  `product_desc` text NOT NULL,
  `product_image` text NOT NULL,
  `product_keywords` text NOT NULL
);
INSERT INTO `products` (`product_id`, `product_cat`, `product_brand`, `product_title`, `product_price`, `product_desc`, `product_image`, `product_keywords`) VALUES
(1, 1, 2, 'Samsung galaxy s7 edge', 5000, 'Samsung galaxy s7 edge', 'product07.png', 'samsung mobile electronics'),
(2, 1, 3, 'iPhone 5s', 25000, 'iphone 5s', 'http___pluspng.com_img-png_iphone-hd-pngiphone-apple-png-file-550.png', 'mobile iphone apple'),
(3, 1, 3, 'iPad air 2', 30000, 'ipad apple brand', 'da4371ffa192a115f922b1c0dff88193.png', 'apple ipad tablet'),
(4, 1, 3, 'iPhone 6s', 32000, 'Apple iPhone ', 'http___pluspng.com_img-png_iphone-6s-pngiphone-6s-gold-64gb-1000.png', 'iphone apple mobile'),
(5, 1, 2, 'iPad 2', 10000, 'samsung ipad', 'iPad-air.png', 'ipad tablet samsung'),
(6, 1, 1, 'samsung Laptop r series', 35000, 'samsung Black combination Laptop',
```

'laptop_PNG5939.png', 'samsung laptop '),

(7, 1, 1, 'Laptop Pavillion', 50000, 'Laptop Hp Pavillion', 'laptop_PNG5930.png', 'Laptop Hp Pavillion'),

(8, 1, 4, 'Sony', 40000, 'Sony Mobile', '530201353846AM_635_sony_xperia_z.png', 'sony mobile'),

(9, 1, 3, 'iPhone New', 12000, 'iphone', 'iphone-hd-png-iphone-apple-png-file-550.png', 'iphone apple mobile'),

(10, 2, 6, 'Red Ladies dress', 1000, 'red dress for girls', 'red dress.jpg', 'red dress '),

(11, 2, 6, 'Blue Heave dress', 1200, 'Blue dress', 'images.jpg', 'blue dress cloths'),

(12, 2, 6, 'Ladies Casual Cloths', 1500, 'ladies casual summer two colors pleted', '7475-ladiescasual-dresses-summer-two-colors-pleated.jpg', 'girl dress cloths casual'),

(13, 2, 6, 'SpringAutumnDress', 1200, 'girls dress', 'Spring-Autumn-Winter-Young-LadiesCasual-Wool-Dress-Women-s-One-Piece-Dresse-Dating-Clothes-Medium.jpg_640x640.jpg',
'girl dress'),

(14, 2, 6, 'Casual Dress', 1400, 'girl dress', 'download.jpg', 'ladies cloths girl'),

(15, 2, 6, 'Formal Look', 1500, 'girl dress', 'shutterstock_203611819.jpg', 'ladies wears dress girl'),

(16, 3, 6, 'Sweter for men', 600, '2012-Winter-Sweater-for-Men-for-better-outlook', '2012-Winter-Sweater-for-Men-for-better-outlook.jpg', 'black sweter cloth winter'),

(17, 3, 6, 'Gents formal', 1000, 'gents formal look', 'gents-formal-250x250.jpg', 'gents wear cloths'),

(19, 3, 6, 'Formal Coat', 3000, 'ad', 'images (1).jpg', 'coat blazer gents'),

(20, 3, 6, 'Mens Sweeter', 1600, 'jg', 'Winter-fashion-men-burst-sweater.png', 'sweeter gents '),
(21, 3, 6, 'T shirt', 800, 'ssds', 'IN-Mens-Apparel-Voodoo-Tiles-09._V333872612_.jpg', 'formal t shirt black'),

(22, 4, 6, 'Yellow T shirt ', 1300, 'yello t shirt with pant', '1.0x0.jpg', 'kids yellow t shirt'),

(23, 4, 6, 'Girls cloths', 1900, 'sadsf', 'GirlsClothing_Widgets.jpg', 'formal kids wear dress'),

(24, 4, 6, 'Blue T shirt', 700, 'g', 'images.jpg', 'kids dress'),

(25, 4, 6, 'Yellow girls dress', 750, 'as', 'images (3).jpg', 'yellow kids dress'),

(27, 4, 6, 'Formal look', 690, 'sd', 'image28.jpg', 'formal kids dress'),

(32, 5, 0, 'Book Shelf', 2500, 'book shelf', 'furniture-book-shelf-250x250.jpg', 'book shelf furniture'),

(33, 6, 2, 'Refrigerator', 35000, 'Refrigerator', 'CT_WM_BTS-BTC-AppliancesHome_20150723.jpg', 'refrigerator samsung'),

(34, 6, 4, 'Emergency Light', 1000, 'Emergency Light', 'emergency light.JPG', 'emergency light'),

(35, 6, 0, 'Vaccum Cleaner', 6000, 'Vaccum Cleaner', 'images (2).jpg', 'Vaccum Cleaner'),

(36, 6, 5, 'Iron', 1500, 'gj', 'iron.JPG', 'iron'),

(37, 6, 5, 'LED TV', 20000, 'LED TV', 'images (4).jpg', 'led tv lg'),

(38, 6, 4, 'Microwave Oven', 3500, 'Microwave Oven', 'images.jpg', 'Microwave Oven'),

(39, 6, 5, 'Mixer Grinder', 2500, 'Mixer Grinder', 'singer-mixer-grinder-mg-46medium_4bfa018096c25dec7ba0af40662856ef.jpg', 'Mixer Grinder'),

(40, 2, 6, 'Formal girls dress', 3000, 'Formal girls dress', 'girl-walking.jpg', 'ladies'),

(45, 1, 2, 'Samsung Galaxy Note 3', 10000, '0', 'samsung_galaxy_note3_note3neo.JPG', 'samsung galaxy Note 3 neo'),

(46, 1, 2, 'Samsung Galaxy Note 3', 10000, '', 'samsung_galaxy_note3_note3neo.JPG', 'samsung galxaxy note 3 neo'),

(47, 4, 6, 'Laptop', 650, 'nbk', 'product01.png', 'Dell Laptop'),

(48, 1, 7, 'Headphones', 250, 'Headphones', 'product05.png', 'Headphones Sony'), (49,

1, 7, 'Headphones', 250, 'Headphones', 'product05.png', 'Headphones Sony'),

(50, 3, 6, 'boys shirts', 350, 'shirts', 'pm1.JPG', 'suit boys shirts'),

(51, 3, 6, 'boys shirts', 270, 'shirts', 'pm2.JPG', 'suit boys shirts'),

(52, 3, 6, 'boys shirts', 453, 'shirts', 'pm3.JPG', 'suit boys shirts'),

(53, 3, 6, 'boys shirts', 220, 'shirts', 'ms1.JPG', 'suit boys shirts'),

(54, 3, 6, 'boys shirts', 290, 'shirts', 'ms2.JPG', 'suit boys shirts'),

(55, 3, 6, 'boys shirts', 259, 'shirts', 'ms3.JPG', 'suit boys shirts'),

(56, 3, 6, 'boys shirts', 299, 'shirts', 'pm7.JPG', 'suit boys shirts'),

(57, 3, 6, 'boys shirts', 260, 'shirts', 'i3.JPG', 'suit boys shirts'),

(58, 3, 6, 'boys shirts', 350, 'shirts', 'pm9.JPG', 'suit boys shirts'),

(59, 3, 6, 'boys shirts', 855, 'shirts', 'a2.JPG', 'suit boys shirts'),

(60, 3, 6, 'boys shirts', 150, 'shirts', 'pm11.JPG', 'suit boys shirts'),

(61, 3, 6, 'boys shirts', 215, 'shirts', 'pm12.JPG', 'suit boys shirts'),

(62, 3, 6, 'boys shirts', 299, 'shirts', 'pm13.JPG', 'suit boys shirts'),

(63, 3, 6, 'boys Jeans Pant', 550, 'Pants', 'pt1.JPG', 'boys Jeans Pant'),

(64, 3, 6, 'boys Jeans Pant', 460, 'pants', 'pt2.JPG', 'boys Jeans Pant'),

(65, 3, 6, 'boys Jeans Pant', 470, 'pants', 'pt3.JPG', 'boys Jeans Pant'),

(66, 3, 6, 'boys Jeans Pant', 480, 'pants', 'pt4.JPG', 'boys Jeans Pant'),

(67, 3, 6, 'boys Jeans Pant', 360, 'pants', 'pt5.JPG', 'boys Jeans Pant'),

(68, 3, 6, 'boys Jeans Pant', 550, 'pants', 'pt6.JPG', 'boys Jeans Pant'),

(69, 3, 6, 'boys Jeans Pant', 390, 'pants', 'pt7.JPG', 'boys Jeans Pant'),

(70, 3, 6, 'boys Jeans Pant', 399, 'pants', 'pt8.JPG', 'boys Jeans Pant'),

(71, 1, 2, 'Samsung galaxy s7', 5000, 'Samsung galaxy s7', 'product07.png', 'samsung mobile electronics'),

(72, 7, 2, 'sony Headphones', 3500, 'sony Headphones', 'product02.png', 'sony Headphones electronics gadgets'),

(73, 7, 2, 'samsung Headphones', 3500, 'samsung Headphones', 'product05.png', 'samsung Headphones electronics gadgets'),

(74, 1, 1, 'HP i5 laptop', 5500, 'HP i5 laptop', 'product01.png', 'HP i5 laptop electronics'),

(75, 1, 1, 'HP i7 laptop 8gb ram', 5500, 'HP i7 laptop 8gb ram', 'product03.png', 'HP i7 laptop 8gb ram electronics'),

(76, 1, 5, 'sony note 6gb ram', 4500, 'sony note 6gb ram', 'product04.png', 'sony note 6gb ram mobile electronics'),

(77, 1, 4, 'MSV laptop 16gb ram NVIDEA Graphics', 5499, 'MSV laptop 16gb ram', 'product06.png', 'MSV laptop 16gb ram NVIDEA Graphics electronics'),

(78, 1, 5, 'dell laptop 8gb ram intel integerated Graphics', 4579, 'dell laptop 8gb ram intel integerated Graphics', 'product08.png', 'dell laptop 8gb ram intel integerated Graphics electronics'),

(79, 7, 2, 'camera with 3D pixels', 2569, 'camera with 3D pixels', 'product09.png', 'camera with 3D pixels camera electronics gadgets'),

(80, 1, 1, 'ytrfdkjsd', 12343, 'sdfhgh', '1542455446_thythtf .jpeg', 'dfgh'),

(81, 4, 6, 'Kids blue dress', 300, 'blue dress', '1543993724_pg4.jpg', 'kids blue dress');

CREATE TABLE `user_info` (

`user_id` int(10) NOT NULL,

```
  `first_name` varchar(100) NOT NULL,
  `last_name` varchar(100) NOT NULL,
  `email` varchar(300) NOT NULL,
  `password` varchar(300) NOT NULL,
  `mobile` varchar(10) NOT NULL,
  `address1` varchar(300) NOT NULL,
  `address2` varchar(11) NOT NULL
);

INSERT INTO `user_info` (`user_id`, `first_name`, `last_name`, `email`, `password`, `mobile`, `address1`, `address2`) VALUES
(12, 'puneeth', 'Reddy', 'puneethreddy951@gmail.com', 'puneeth', '9448121558', '123456789', 'sdcjns,djc'),
(15, 'hemu', 'ajhgdg', 'puneethreddy951@gmail.com', '346778', '536487276', ',mdnbca', 'asdmhmhvbv'),
(16, 'venky', 'vs', 'venkey@gmail.com', '1234534', '9877654334', 'snhdgvajfehyfygv', 'asdjbhfkeur'),
(19, 'abhishek', 'bs', 'abhishekbs@gmail.com', 'asdcsdcc', '9871236534', 'bangalore', 'hassan'),
(21, 'prajval', 'mcta', 'prajvalmcta@gmail.com', '1234545662', '202-555-01', 'bangalore', 'kumbalagodu'),
(22, 'puneeth', 'v', 'hemu@gmail.com', '1234534', '9877654334', 'snhdgvajfehyfygv', 'asdjbhfkeur'),
(23, 'hemanth', 'reddy', 'hemanth@gmail.com', 'Puneeth@123', '9876543234', 'Bangalore', 'Kumbalagodu'),
(24, 'newuser', 'user', 'newuser@gmail.com', 'puneeth@123', '9535688928', 'Bangalore', 'Kumbalagodu'),
(25, 'otheruser', 'user', 'otheruser@gmail.com', 'puneeth@123', '9535688928', 'Bangalore', 'Kumbalagodu');

CREATE TABLE `user_info_backup` (
  `user_id` int(10) NOT NULL,
  `first_name` varchar(100) NOT NULL,
```

```
  `last_name` varchar(100) NOT NULL,
  `email` varchar(300) NOT NULL,
  `password` varchar(300) NOT NULL,
  `mobile` varchar(10) NOT NULL,
  `address1` varchar(300) NOT NULL,
  `address2` varchar(11) NOT NULL
);

INSERT INTO `user_info_backup` (`user_id`, `first_name`, `last_name`, `email`, `password`, `mobile`, `address1`, `address2`) VALUES
(12, 'puneeth', 'Reddy', 'puneethreddy951@gmail.com', '123456789', '9448121558', '123456789', 'sdcjns,djc'),
(14, 'hemanthu', 'reddy', 'hemanthreddy951@gmail.com', '123456788', '6526436723', 's,dc wfjvnvn', 'b efhfhvvbr'),
(15, 'hemu', 'ajhgdg', 'keeru@gmail.com', '346778', '536487276', ',mdnbca', 'asdmhmhvbv'),
(16, 'venky', 'vs', 'venkey@gmail.com', '1234534', '9877654334', 'snhdgvajfehyfygv', 'asdjbhfkeur'),
(19, 'abhishek', 'bs', 'abhishekbs@gmail.com', 'asdcsdcc', '9871236534', 'bangalore', 'hassan'),
(20, 'pramod', 'vh', 'pramod@gmail.com', '124335353', '9767645653', 'ksbdfcdf', 'sjrgrevgsib'),
(21, 'prajval', 'mcta', 'prajvalmcta@gmail.com', '1234545662', '202-555-01', 'bangalore', 'kumbalagodu'),
(22, 'puneeth', 'v', 'hemu@gmail.com', '1234534', '9877654334', 'snhdgvajfehyfygv', 'asdjbhfkeur'),
(23, 'hemanth', 'reddy', 'hemanth@gmail.com', 'Puneeth@123', '9876543234', 'Bangalore', 'Kumbalagodu'),
(24, 'newuser', 'user', 'newuser@gmail.com', 'puneeth@123', '9535688928', 'Bangalore', 'Kumbalagodu'),
(25, 'otheruser', 'user', 'otheruser@gmail.com', 'puneeth@123', '9535688928', 'Bangalore', 'Kumbalagodu');
```

Queries :

1. **Join query to fetch the orders along with the corresponding user information:**

   SELECT * FROM orders

   JOIN user_info

   ON orders.user_id = user_info.user_id;

2. **Join query to retrieve the products along with their respective categories:** SELECT * FROM products
   JOIN categories
   ON products.product_cat = categories.cat_id;

3. **Query to get the product details along with their respective brands:** SELECT * FROM products
   JOIN brands
   ON products.product_brand = brands.brand_id;

4. **Join query to get the cart details along with the user information:** SELECT * FROM cart
   LEFT JOIN user_info
   ON cart.user_id = user_info.user_id;

5. **Query to retrieve the order details along with the corresponding product information:**
   SELECT * FROM orders
   JOIN order_products
   ON orders.order_id = order_products.order_id;

6. **Join query to fetch the user backup information along with the user details:**
   SELECT * FROM user_info
   JOIN user_info_backup
   ON user_info.user_id = user_info_backup.user_id;

7. **Join query to get the admin information along with the logs data:** SELECT * FROM admin_info
   LEFT JOIN logs
   ON admin_info.admin_id = logs.user_id;

8. **Query to retrieve the order information along with the user details:** SELECT * FROM orders_info
   JOIN user_info
   ON orders_info.user_id = user_info.user_id;

9. **Join query to get the product details along with the corresponding order information:**
   SELECT * FROM products
   JOIN order_products
   ON products.product_id = order_products.product_id;

10. **Query to fetch the product details along with the corresponding email information:**
    SELECT * FROM products
    LEFT JOIN email_info
    ON products.product_id = email_info.email_id;

11. **Double join query to retrieve the order details along with the product and user information:** SELECT *
    FROM orders
    JOIN order_products ON orders.order_id = order_products.order_id
    JOIN user_info ON orders.user_id = user_info.user_id;

12. **Double join query to fetch the cart details along with the product and user information:**
    SELECT *
    FROM cart
    JOIN products ON cart.p_id = products.product_id
    JOIN user_info ON cart.user_id = user_info.user_id;

13. **Double join query to get the logs details along with the user and admin information:**
    SELECT *
    FROM logs
    JOIN user_info ON logs.user_id = user_info.user_id
    JOIN admin_info ON logs.user_id = admin_info.admin_id;

14. **Subquery to find the total number of products in each category:**
    SELECT cat_title,
    (SELECT COUNT(*) FROM products WHERE products.product_cat = categories.cat_id) AS total_products FROM categories;

15. **Subquery to retrieve the details of orders made by a specific user:**
    SELECT * FROM orders
    WHERE user_id IN (SELECT user_id FROM user_info WHERE first_name = 'puneeth');

16. **Query to find the users who have made more than two orders:**
    SELECT * FROM user_info
    WHERE user_id IN (SELECT user_id FROM orders GROUP BY user_id HAVING
    COUNT(*) > 2);

17. **Subquery to get the order details along with the product information for a specific user:**
    SELECT * FROM order_products
    WHERE order_id IN (SELECT order_id FROM orders WHERE user_id = 12);

18. **Query to find the total amount spent by each user on the platform:**
    SELECT first_name,
    (SELECT SUM(total_amt) FROM orders_info WHERE orders_info.user_id = user_info.user_id) AS total_spent FROM user_info;

19. **Subquery to retrieve the user information for orders that have a specific product:**
    SELECT * FROM user_info
    WHERE user_id IN (SELECT user_id FROM orders WHERE product_id = 1);

20. **Subquery to find the details of products that belong to the 'Electronics' category:** SELECT * FROM products
    WHERE product_cat IN (SELECT cat_id FROM categories WHERE cat_title = 'Electronics');

21. **Subquery to get the user details for orders that have a total amount greater than 5000:**
    SELECT * FROM user_info
    WHERE user_id IN (SELECT user_id FROM orders_info WHERE total_amt > 5000);

22. **Query to find the products whose prices are above the average price of all products:**
    SELECT * FROM products
    WHERE product_price > (SELECT AVG(product_price) FROM products);

23. **Subquery to retrieve the user details for orders that have a specific transaction ID:**
    SELECT * FROM user_info
    WHERE user_id IN (SELECT user_id FROM orders WHERE trx_id = '07M47684BS5725041');

Conclusion :

The implementation of SQL queries and stored procedures demonstrated the system's ability to handle diverse transactions, from simple product searches to complex order processing and inventory management.

THANK YOU!