Project-SQL Implementation

Group 23
Student1 Manoghn Kandiraju
Student2 Rishwanth Reddy

857-423-5798 (Tel of Student 1)
737-881-2194 (Tel of Student 2)

kandiraju.m@northeastern.edu
yadamakanti.r@northeastern.edu

Percentage of Effort Contributed by Student1: 50%

Percentage of Effort Contributed by Student2: 50%

Signature of Student 1: Rishwanth

Signature of Student 2: Manoghn

Submission Date: 12th November, 2023

QUERY FOR CREATING TABLE: -

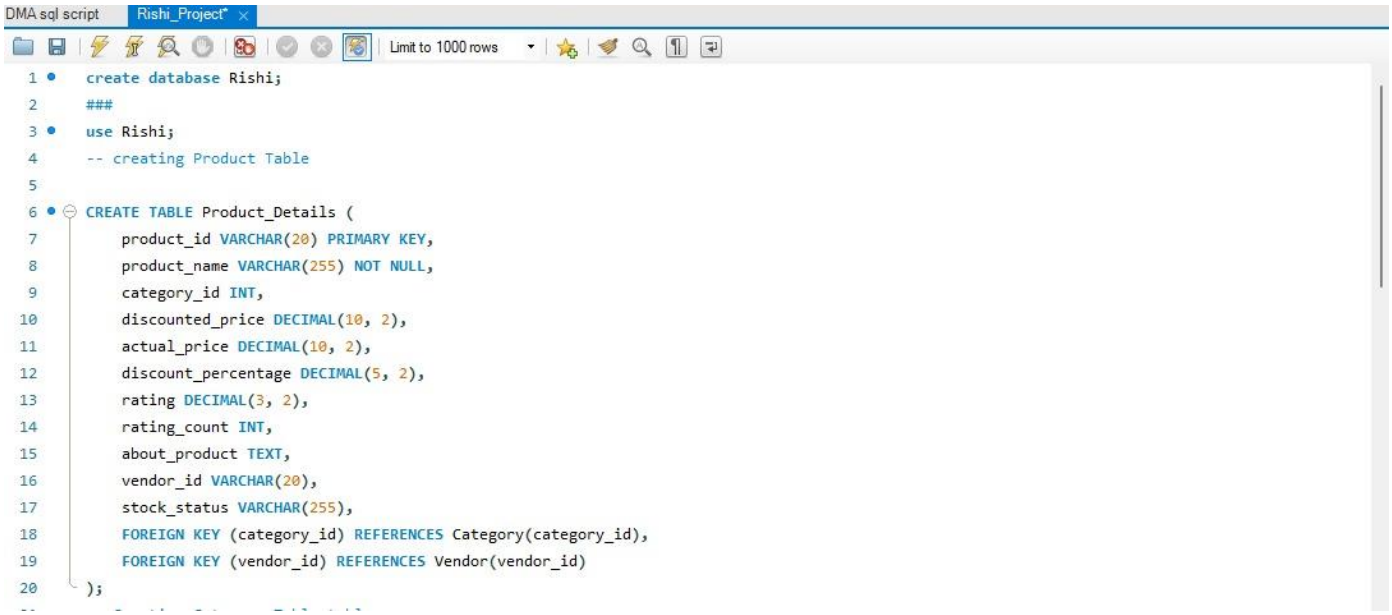
```
--  creating New database create database Rishi;
use Rishi;

-- creating Product Table
CREATE TABLE Product_Details (
product_id VARCHAR(20) PRIMARY KEY,
product_name VARCHAR(255) NOT NULL,
category_id INT,
discounted_price DECIMAL(10, 2),
actual_price DECIMAL(10, 2),
discount_percentage DECIMAL(5, 2),
rating DECIMAL(3, 2),
rating_count INT,
about_product TEXT,
vendor_id VARCHAR(20),
stock_status VARCHAR(255),
FOREIGN KEY (category_id) REFERENCES Category(category_id), FOREIGN KEY (vendor_id) REFERENCES
Vendor(vendor_id) );

-- Creating Category_Table table
CREATE TABLE Category_Table (
category_id INT PRIMARY KEY,
category_name VARCHAR(255) NOT NULL );

-- Creating user_table table
CREATE TABLE user_table ( user_id VARCHAR(30) PRIMARY KEY,
user_name VARCHAR(255) NOT NULL,
user_gender VARCHAR(10),
user_age INT,
user_wishlist_count INT );

-- Creating review_details table
CREATE TABLE review_details (
review_id VARCHAR(30) PRIMARY KEY,
product_id VARCHAR(20),
user_id VARCHAR(30),
review_title VARCHAR(255) NOT NULL,
review_content TEXT,
review_date DATE,
rating DECIMAL(3, 2),
FOREIGN KEY (product_id) REFERENCES Product(product_id),
FOREIGN KEY (user_id) REFERENCES User(user_id) );

-- Creating Vendor_Details table
CREATE TABLE Vendor_Details (
vendor_id VARCHAR(20) PRIMARY KEY,
vendor_name VARCHAR(255) NOT NULL, vendor_loc VARCHAR(255) );

-- Creating productimagelink_table table
CREATE TABLE productimagelink_table (
product_id VARCHAR(20) PRIMARY KEY,
img_link VARCHAR(255),
product_link VARCHAR(255),
FOREIGN KEY (product_id) REFERENCES Product(product_id) );

-- Creating transaction_table table
CREATE TABLE transaction_table (
transaction_id VARCHAR(30) PRIMARY KEY,
user_id VARCHAR(30),
product_id VARCHAR(20),
purchase_date DATE,
FOREIGN KEY (user_id) REFERENCES User(user_id),
FOREIGN KEY (product_id) REFERENCES Product(product_id) );
```

-- Creating Payment_Method table
CREATE TABLE Payment_Method (
payment_method_id VARCHAR(20) PRIMARY KEY,
payment_method_name VARCHAR(255) NOT NULL);

-- Creating stockstatus_table table
CREATE TABLE stockstatus_table (
product_id VARCHAR(20) PRIMARY KEY,
stock_status VARCHAR(255) NOT NULL,
stock_quantity INT NOT NULL,
FOREIGN KEY (product_id) REFERENCES Product(product_id));

-- Creating paymentstatus_table table
CREATE TABLE paymentstatus_table (
transaction_id VARCHAR(30) PRIMARY KEY,
payment_status VARCHAR(255) NOT NULL,
FOREIGN KEY (transaction_id) REFERENCES Transaction(transaction_id));

Creating Product Details Table:

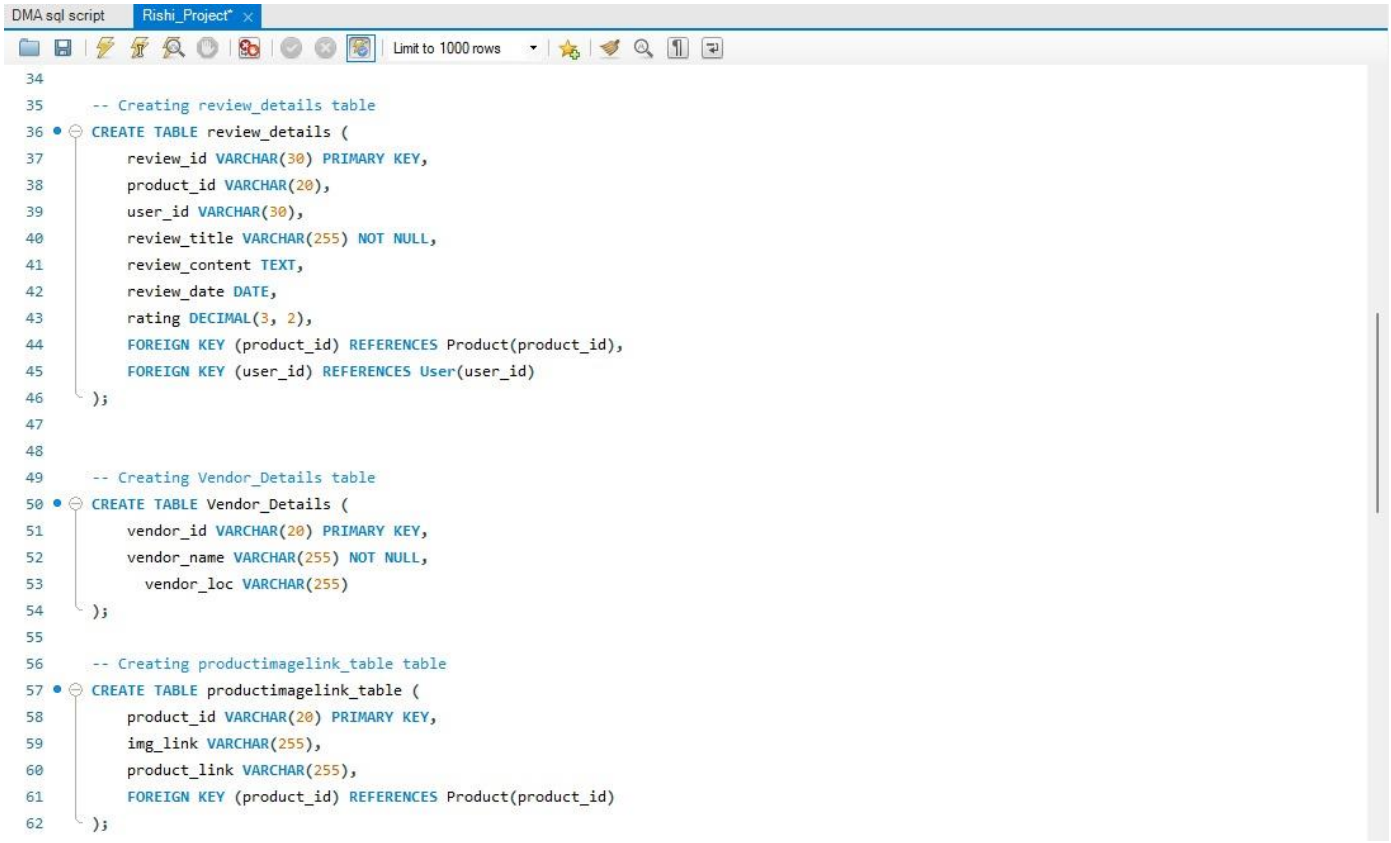


Creating Category Table:

Creating User Table:

```
-- Creating user_table table
CREATE TABLE user_table (
    user_id VARCHAR(30) PRIMARY KEY,
    user_name VARCHAR(255) NOT NULL,
    user_gender VARCHAR(10),
    user_age INT,
    user_wishlist_count INT
);
```

Creating Review, Vendor, and Product image links details Table:



Creating Transaction, Payment method, stock status and payment status details Table:

DMA sql script | Rishi_Project*

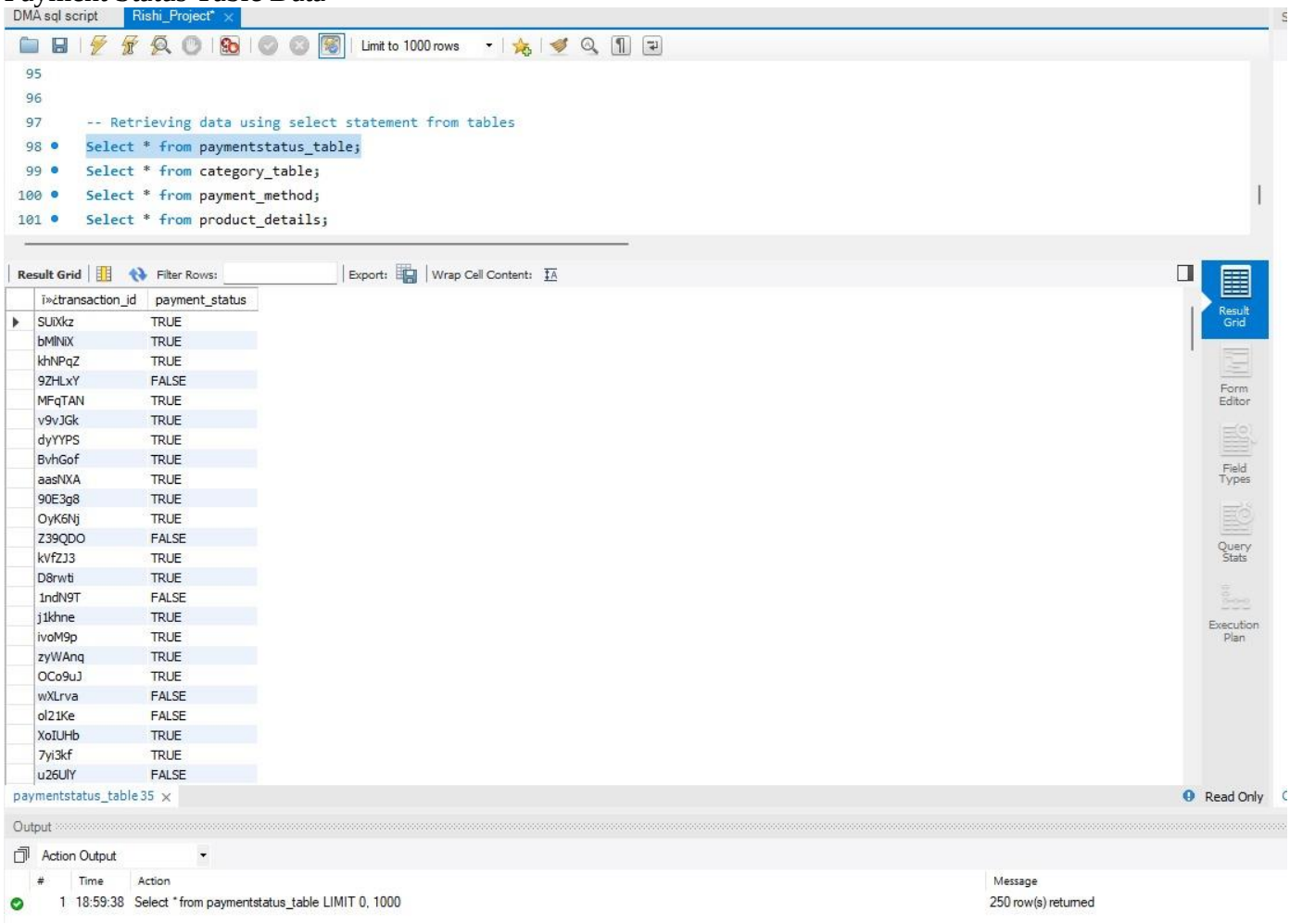
Limit to 1000 rows

```
CREATE TABLE transaction_table (
    transaction_id VARCHAR(30) PRIMARY KEY,
    user_id VARCHAR(30),
    product_id VARCHAR(20),
    purchase_date DATE,
    FOREIGN KEY (user_id) REFERENCES User(user_id),
    FOREIGN KEY (product_id) REFERENCES Product(product_id)
);

-- Creating Payment_Method table
CREATE TABLE Payment_Method (
    payment_method_id VARCHAR(20) PRIMARY KEY,
    payment_method_name VARCHAR(255) NOT NULL
);

-- Creating stockstatus_table table
CREATE TABLE stockstatus_table (
    product_id VARCHAR(20) PRIMARY KEY,
    stock_status VARCHAR(255) NOT NULL,
    stock_quantity INT NOT NULL,
    FOREIGN KEY (product_id) REFERENCES Product(product_id)
);

-- Creating paymentstatus_table table

CREATE TABLE paymentstatus_table (
    transaction_id VARCHAR(30) PRIMARY KEY,
    payment_status VARCHAR(255) NOT NULL,
    FOREIGN KEY (transaction_id) REFERENCES Transaction(transaction_id)
);
```

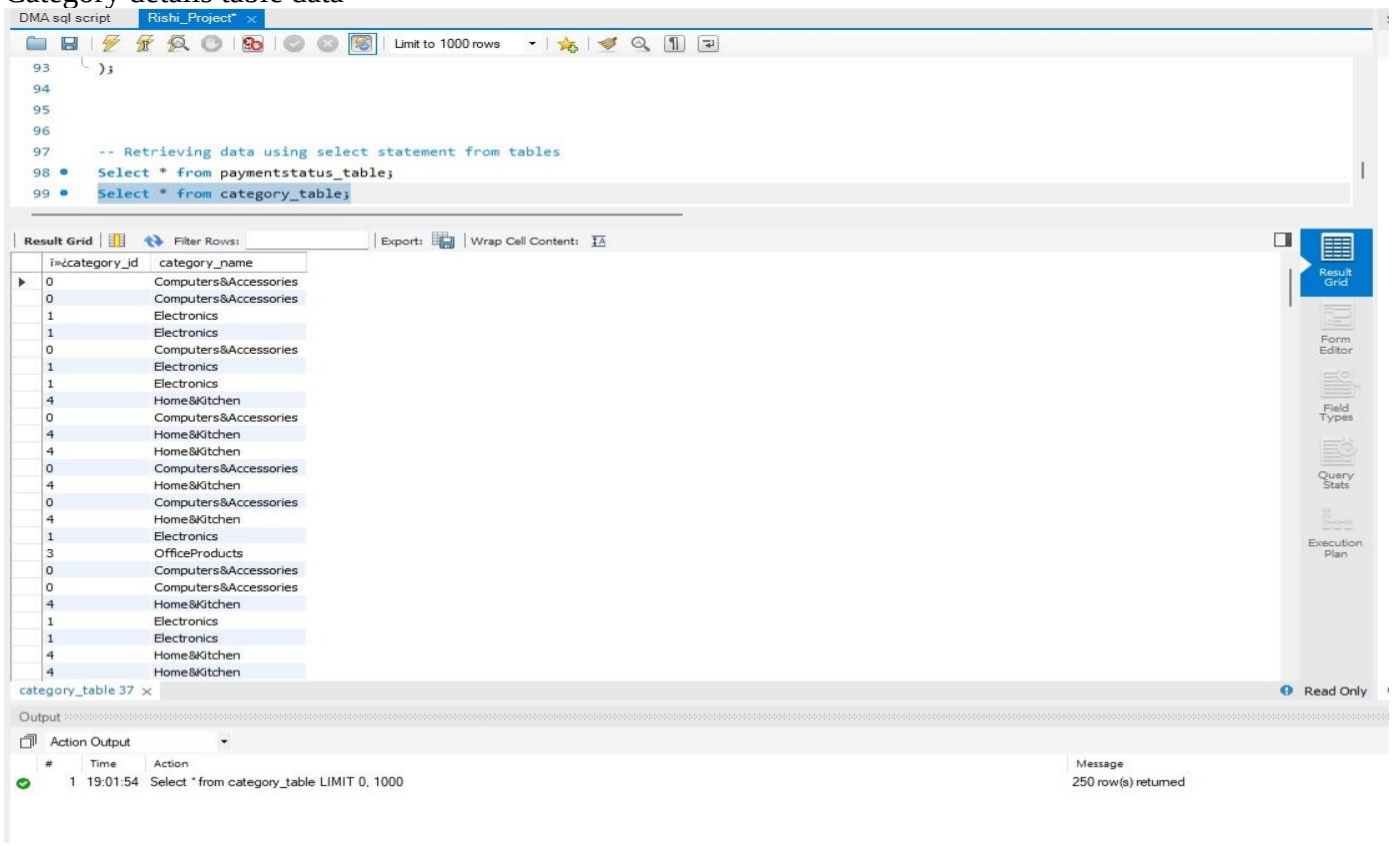
-- Retrieving data using select statements from tables

- Select * from paymentstatus_table;
- Select * from category_table;
- Select * from payment_method;
- Select * from product_details;
- Select * from productimagelink_table;
- Select * from review_details;
- Select * from stockstatus_table;
- Select * from transaction_table;
- Select * from user_table;
- Select * from vendor_details;

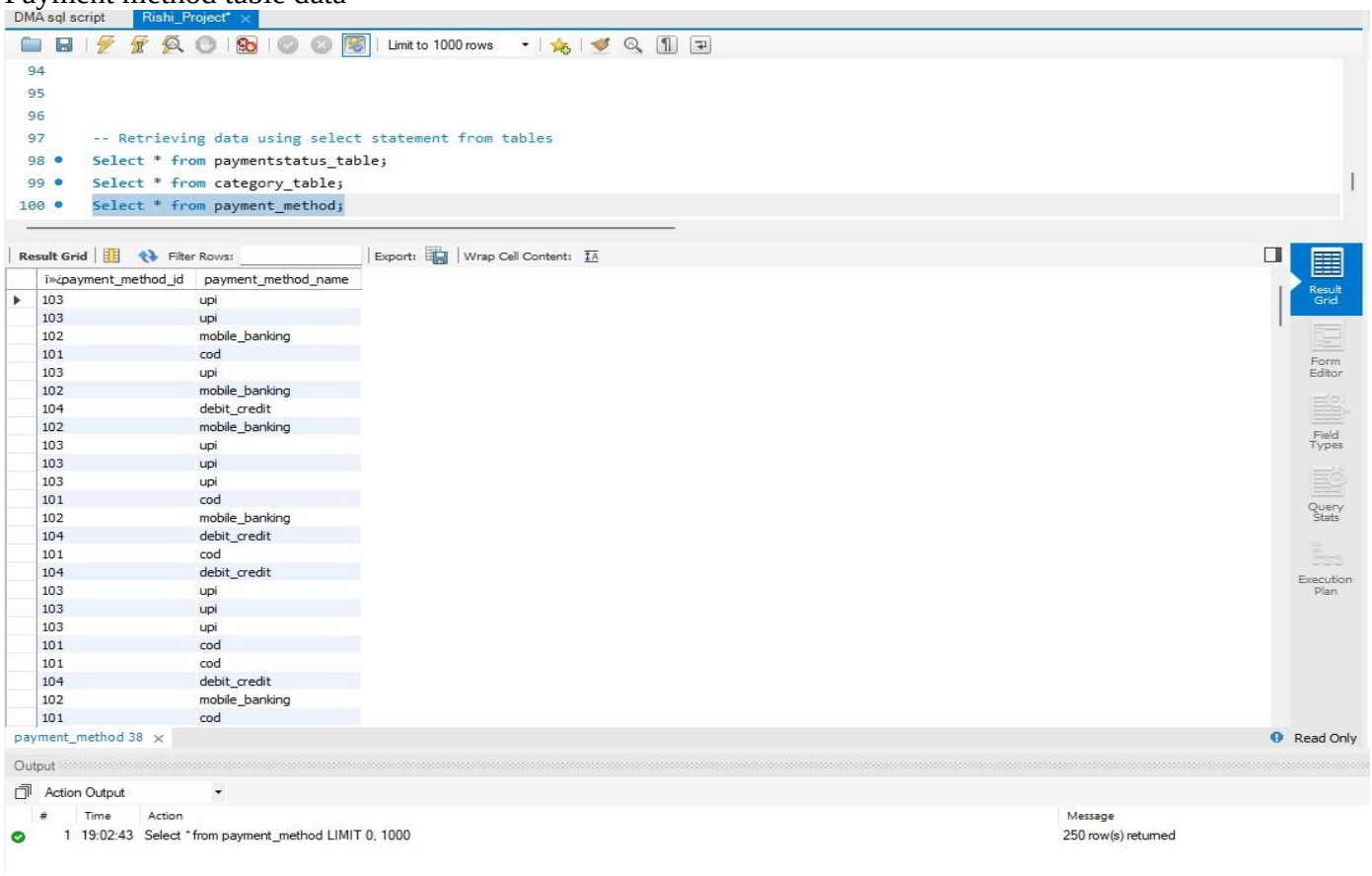
Payment Status Table Data



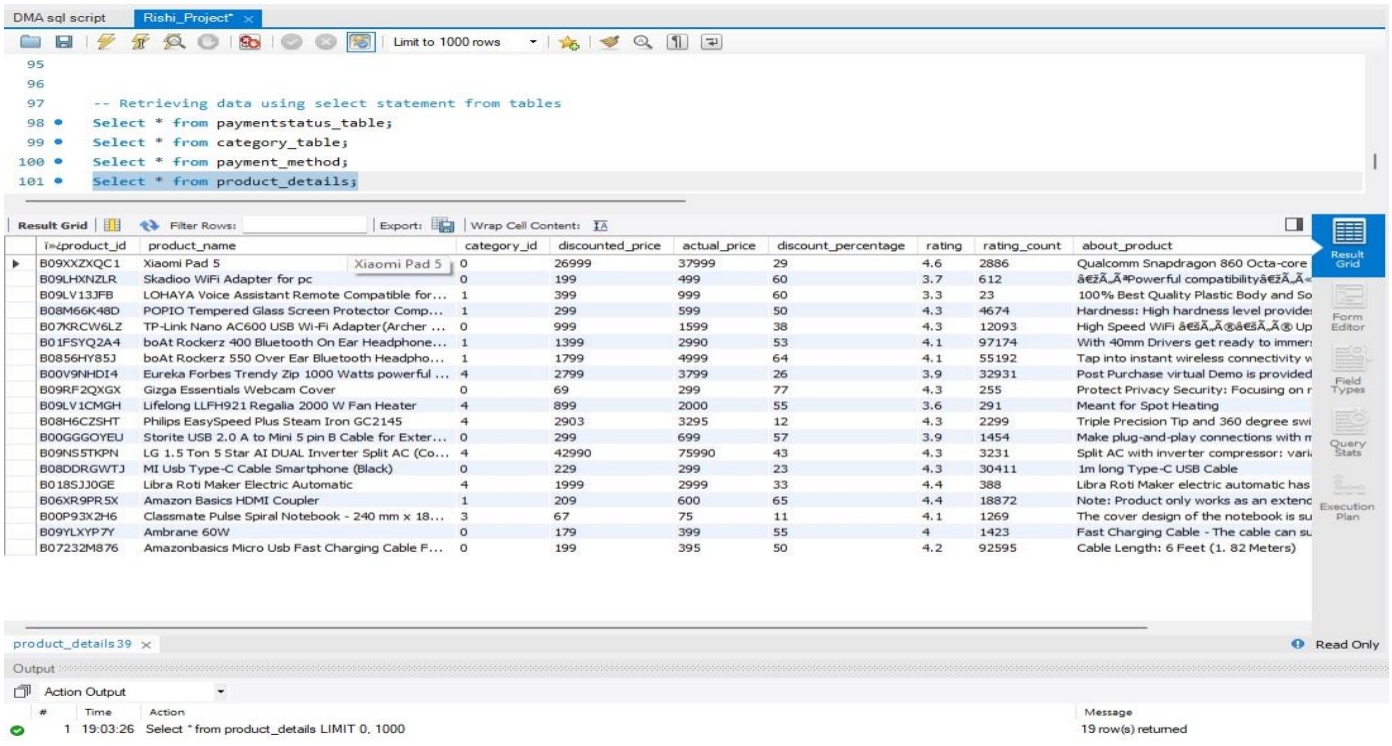
Category details table data



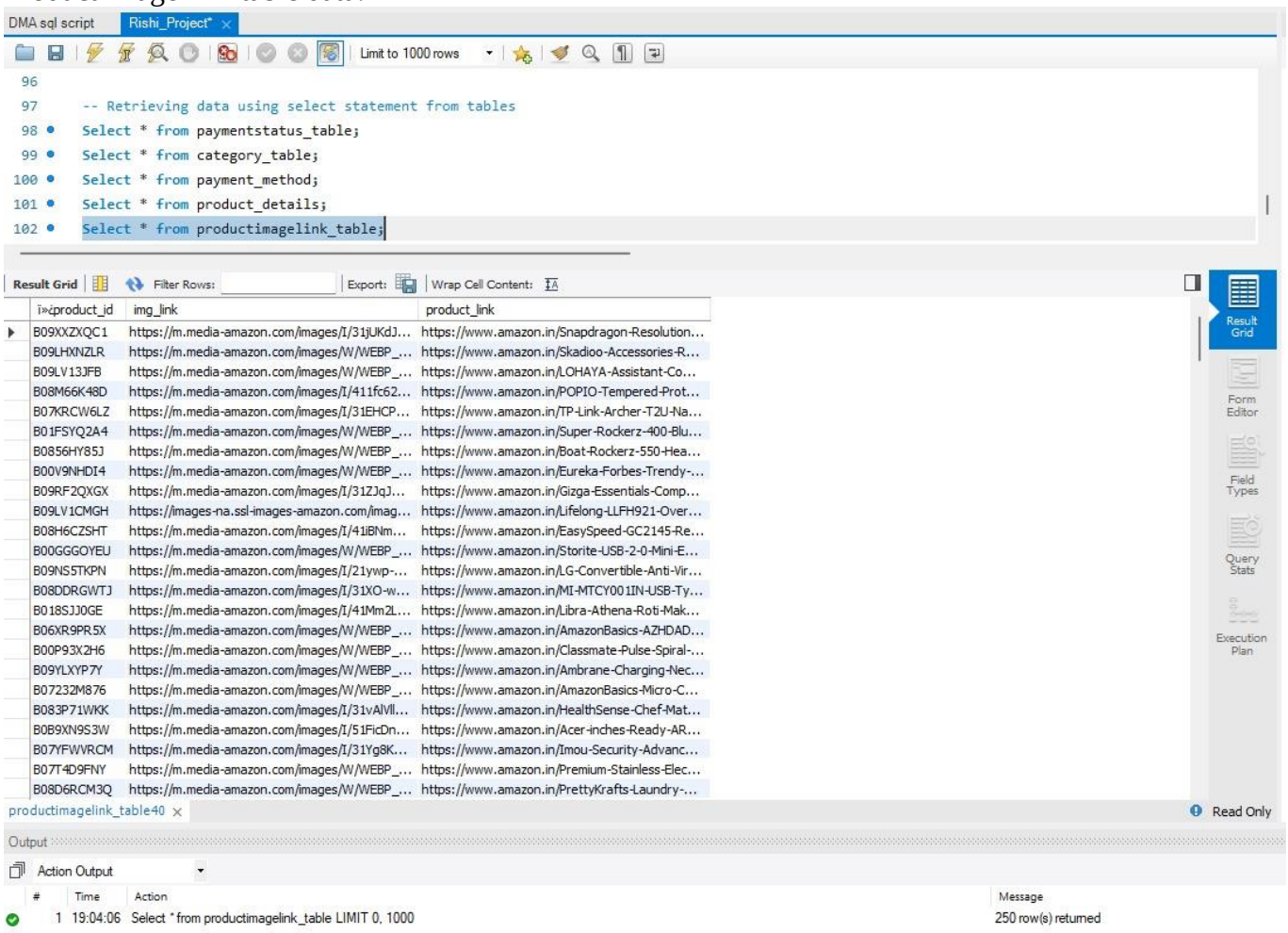
Payment method table data



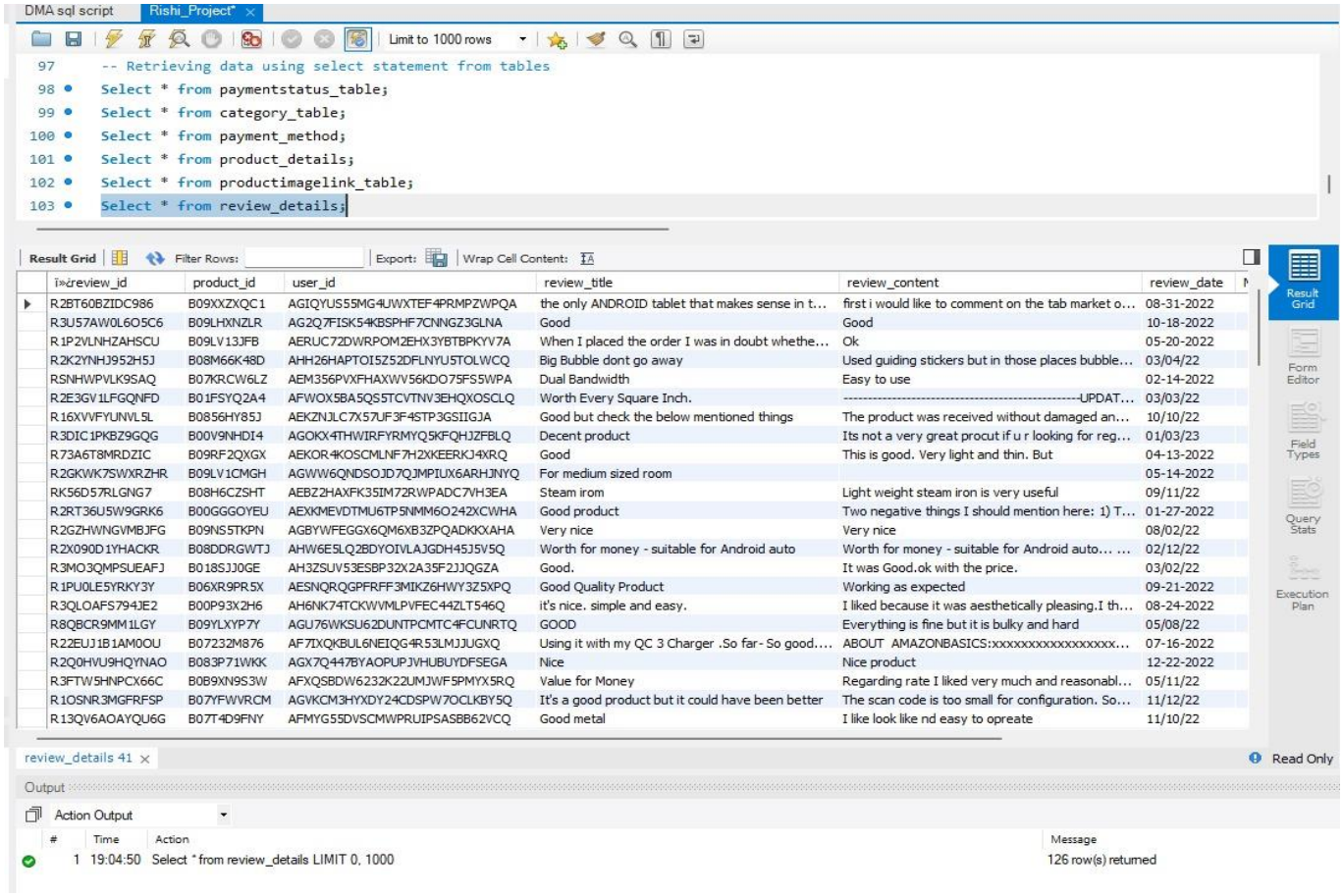
Product details table data: -



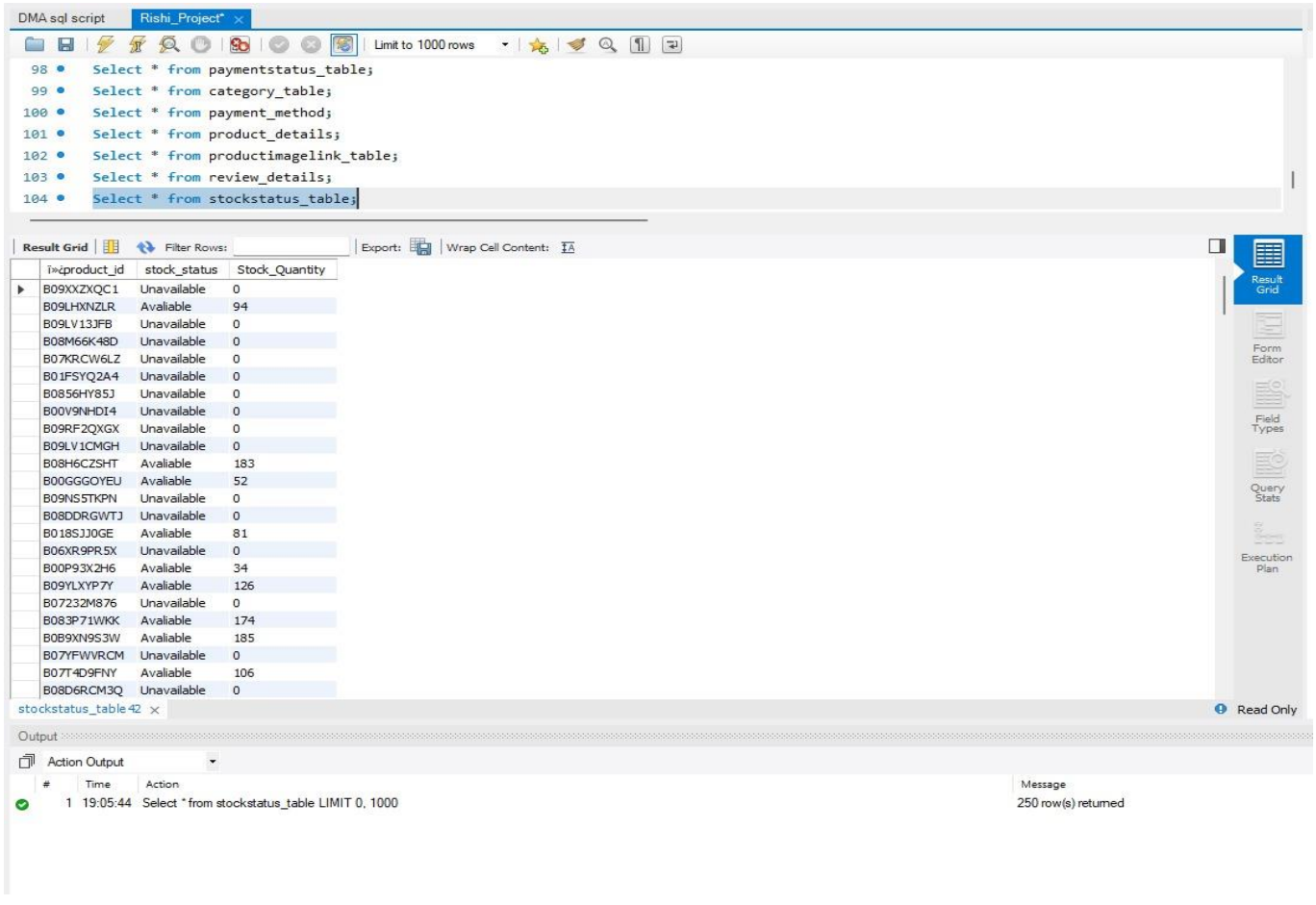
Product image link table data:



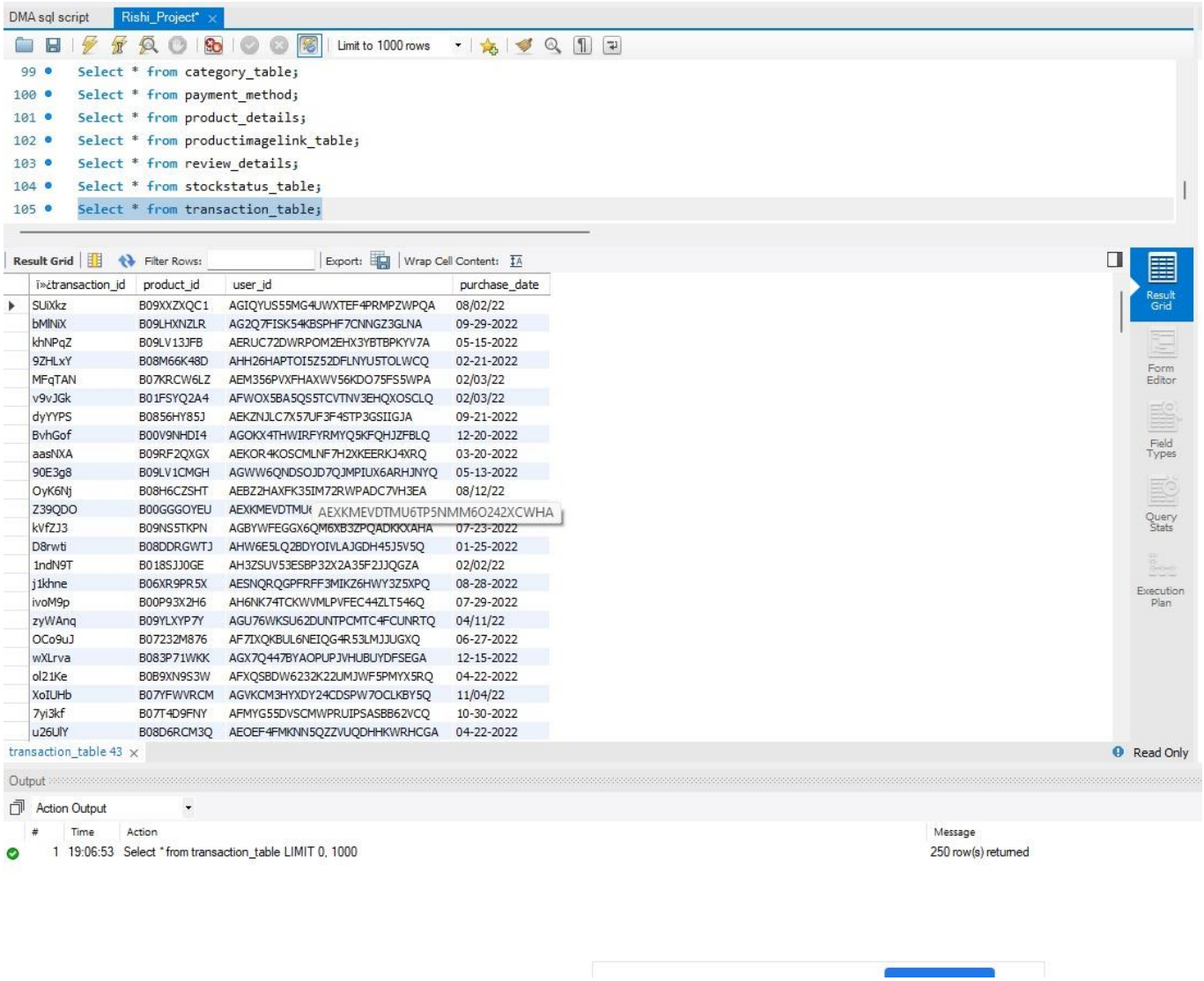
Review details table data:



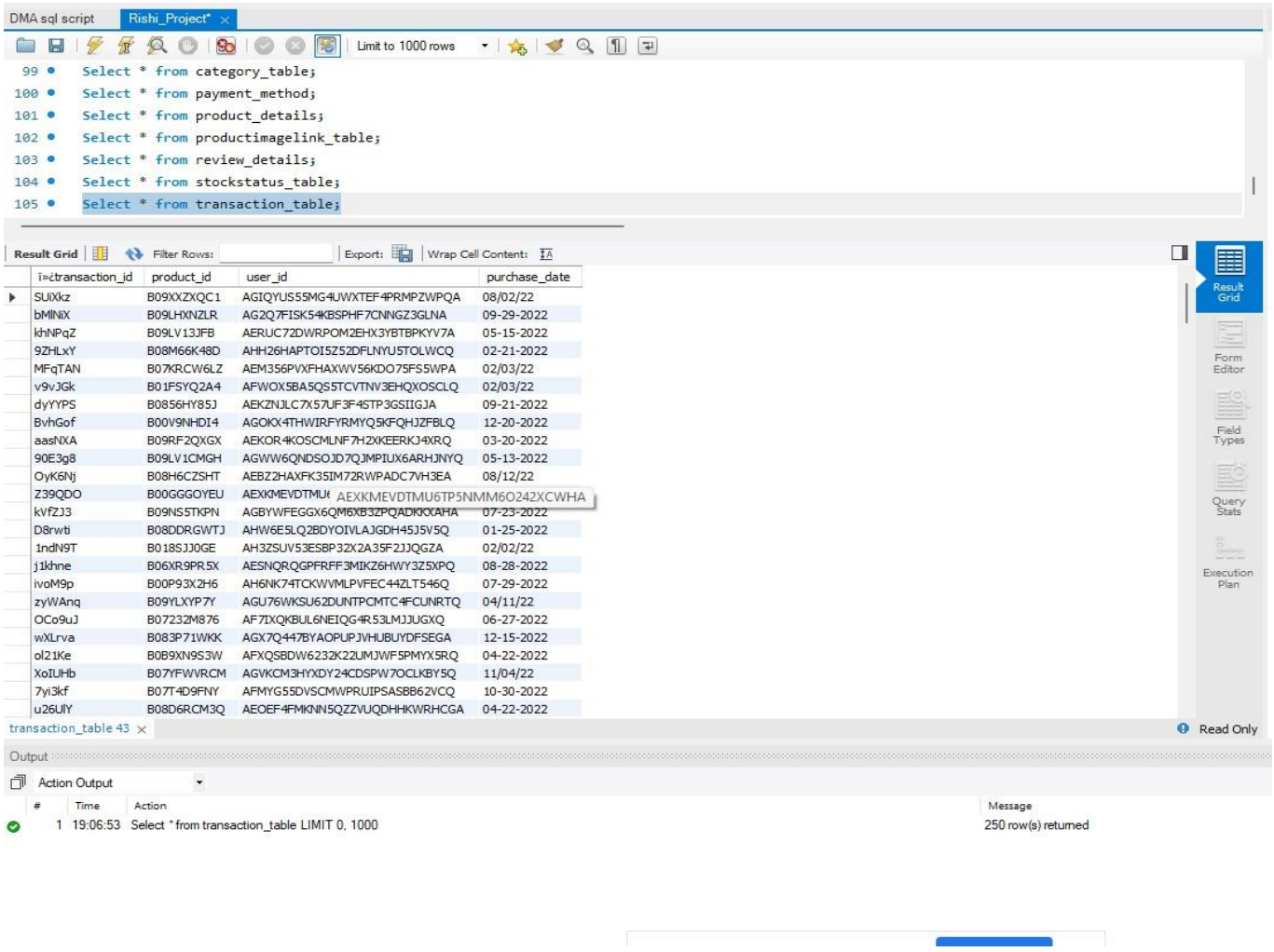
Stock status Table data:



Transactions table details:



Vendor details Table Data:



User Details table data: