# **Project-SQL Implementation**

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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 Data: 12th November 2023	

### -- 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:

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  1 • create database Rishi;
  2
        ###
       use Rishi;
        -- creating Product Table
  6 ● ⊖ CREATE TABLE Product_Details (
  7
           product_id VARCHAR(20) PRIMARY KEY,
  8
            product_name VARCHAR(255) NOT NULL,
  9
           category_id INT,
 10
          discounted_price DECIMAL(10, 2),
 11
           actual price DECIMAL(10, 2),
 12
           discount_percentage DECIMAL(5, 2),
 13
           rating DECIMAL(3, 2),
 14
           rating count INT.
 15
           about_product TEXT,
 16
           vendor id VARCHAR(20),
 17
           stock_status VARCHAR(255),
           FOREIGN KEY (category_id) REFERENCES Category(category_id),
 18
            FOREIGN KEY (vendor_id) REFERENCES Vendor(vendor_id)
 19
 20
```

# **Creating Category Table:**

```
-- Creating Category_Table table

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

# 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:

```
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  34
  35
                          -- Creating review_details table
  36 • ⊖ CREATE TABLE review_details (
                                 review_id VARCHAR(30) PRIMARY KEY,
 37
 38
                                product_id VARCHAR(20),
  39
                                  user_id VARCHAR(30),
  40
                                   review_title VARCHAR(255) NOT NULL,
 41
                                  review content TEXT,
  42
                                   review_date DATE,
                                    rating DECIMAL(3, 2),
  43
                                     FOREIGN KEY (product_id) REFERENCES Product(product_id),
                                     FOREIGN KEY (user_id) REFERENCES User(user_id)
  45
  46
  47
  48
  49
                        -- Creating Vendor_Details table
 50 ● ⊖ CREATE TABLE Vendor_Details (
  51
                                    vendor_id VARCHAR(20) PRIMARY KEY,
                                   vendor_name VARCHAR(255) NOT NULL,
 52
  53
                                           vendor_loc VARCHAR(255)
  54
  55
 56
                        -- Creating productimagelink_table table
  57 • ⊖ CREATE TABLE productimagelink_table (
  58
                                     product_id VARCHAR(20) PRIMARY KEY,
                                    img_link VARCHAR(255),
 59
  60
                                     product_link VARCHAR(255),
  61
                                     FOREIGN KEY (product_id) REFERENCES Product(product_id)
```

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

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Rishi Project × - | 🏡 | 🥩 Q, 👖 🖃 65 transaction\_id VARCHAR(30) PRIMARY KEY, user\_id VARCHAR(30), 66 67 product\_id VARCHAR(20), 68 purchase date DATE, 69 FOREIGN KEY (user\_id) REFERENCES User(user\_id), FOREIGN KEY (product\_id) REFERENCES Product(product\_id) 70 ); 71 72 73 -- Creating Payment Method table 74 ● ⊖ CREATE TABLE Payment\_Method ( 75 payment\_method\_id VARCHAR(20) PRIMARY KEY, 76 payment\_method\_name VARCHAR(255) NOT NULL 77 78 79 -- Creating stockstatus\_table table 80 • ⊖ CREATE TABLE stockstatus table ( 81 product\_id VARCHAR(20) PRIMARY KEY, stock\_status VARCHAR(255) NOT NULL, 82 83 stock\_quantity INT NOT NULL, 84 FOREIGN KEY (product\_id) REFERENCES Product(product\_id) 85 86 87 -- Creating paymentstatus\_table table 88 89 •  $\bigcirc$  CREATE TABLE paymentstatus\_table ( transaction\_id VARCHAR(30) PRIMARY KEY, 90

# -- Retrieving data using select statements from tables

payment\_status VARCHAR(255) NOT NULL,

FOREIGN KEY (transaction\_id) REFERENCES Transaction(transaction\_id)

- Select \* from paymentstatus\_table;
- Select \* from category\_table;

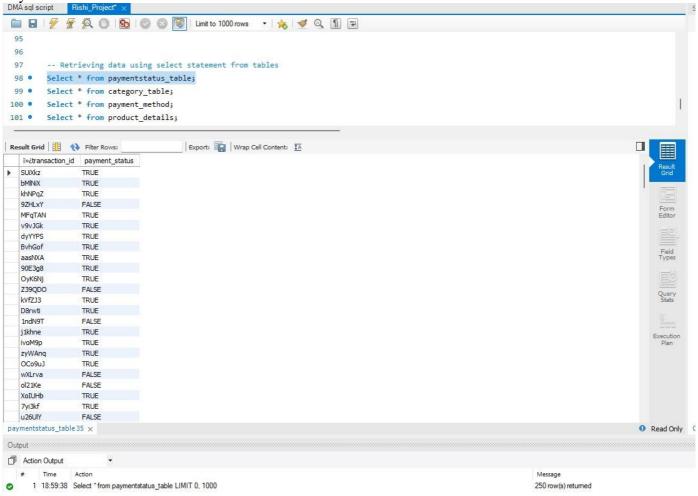
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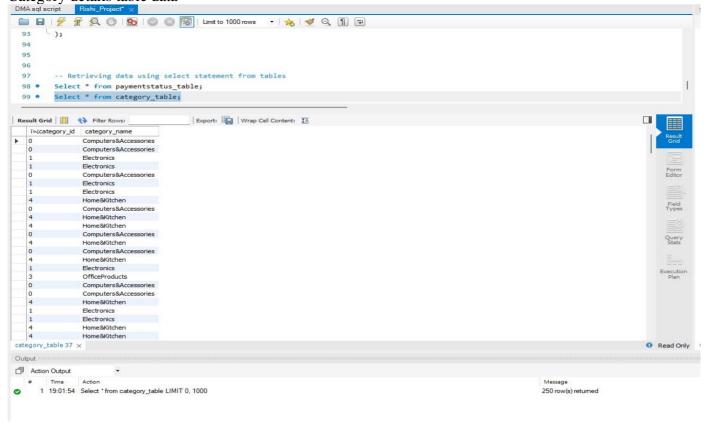
93

- 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;

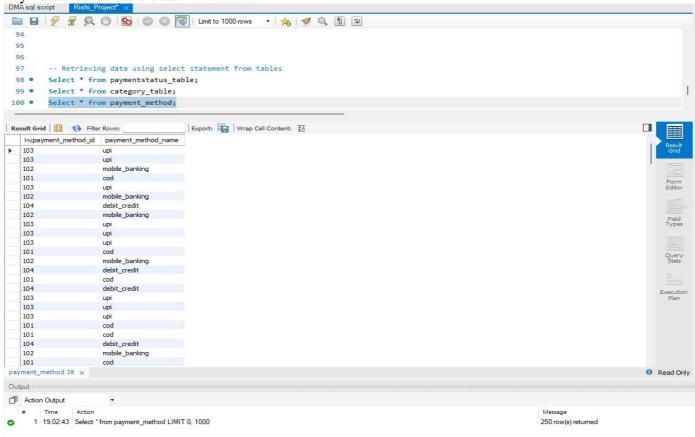
Payment Status Table Data



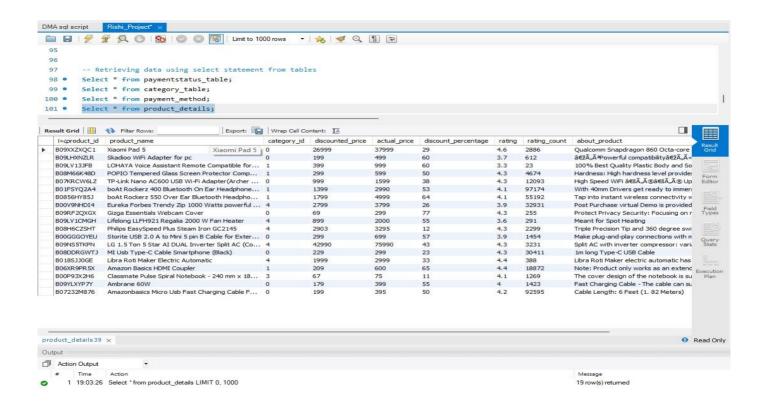
Category details table data



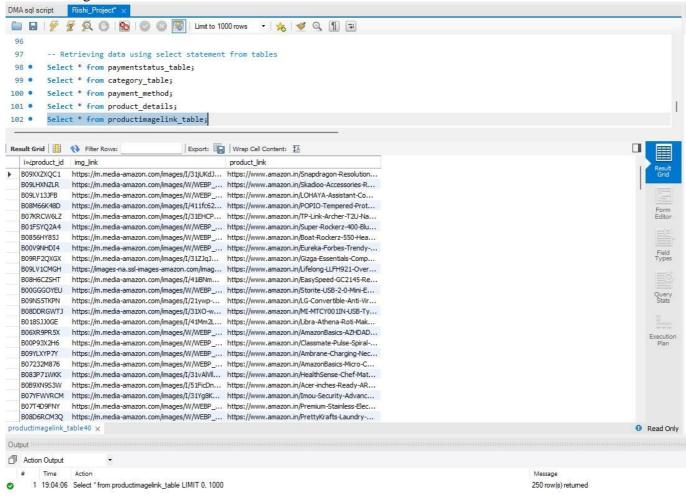
Payment method table data



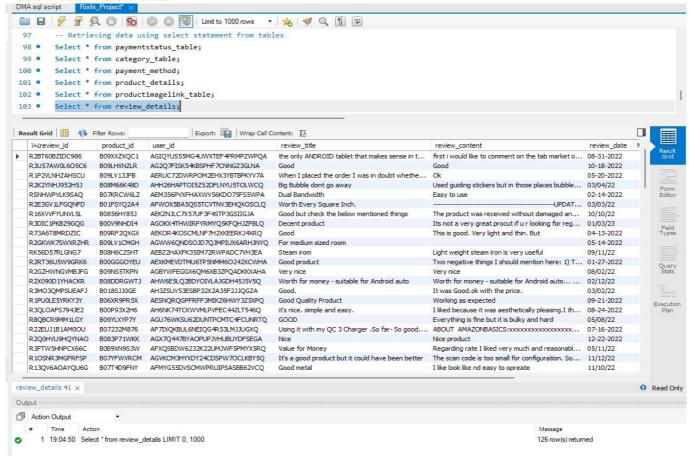
# Product details table data: -



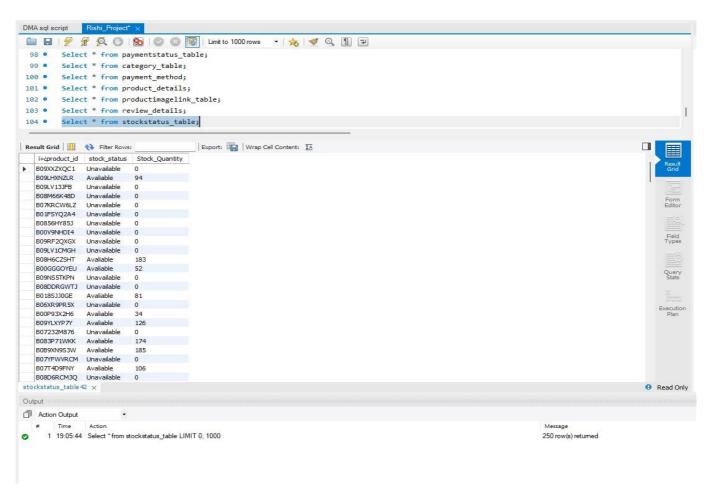
# Product image link table data:



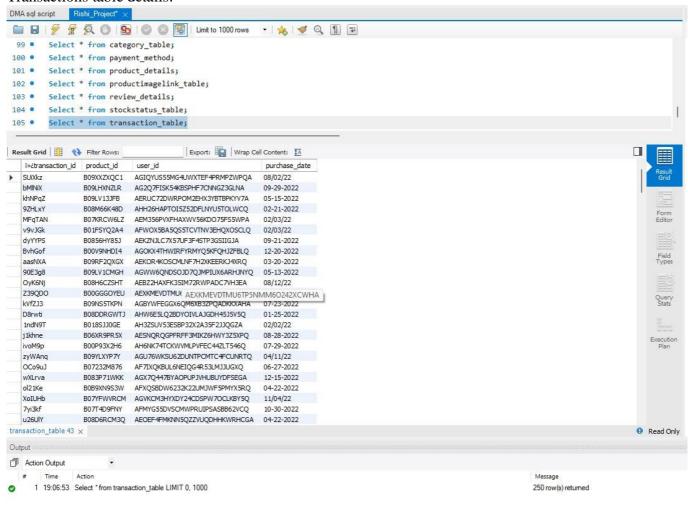
# Review details table data:



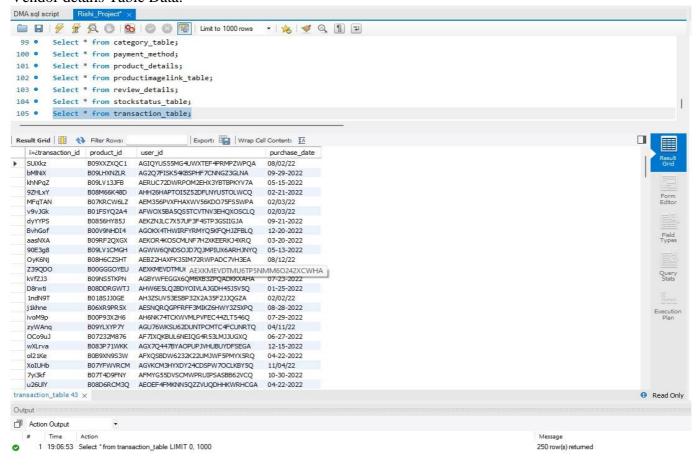
### Stock status Table data:



# Transactions table details:



# Vendor details Table Data:



# User Details table data:

