SQL SCRIPT Gestion de portefeuille

```sql
CREATE DATABASE Gestion_De_Portefeuille;
USE Gestion_De_Portefeuille;

-- Create the User table
CREATE TABLE User (
    id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(255) NOT NULL,
    email VARCHAR(255) NOT NULL UNIQUE,
    password VARCHAR(255) NOT NULL
);

-- Create the Category table
CREATE TABLE Category (
    id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(255) NOT NULL
);

-- Create the Transaction table with sender and receiver user IDs
CREATE TABLE Transaction (
    id INT AUTO_INCREMENT PRIMARY KEY,
    type VARCHAR(50) NOT NULL,      -- type can be 'income', 'expense', or 'transfer'
    montant FLOAT NOT NULL,
    date DATE NOT NULL,
    sender_user_id INT,             -- ID of the user sending the funds
    receiver_user_id INT,           -- ID of the user receiving the funds (optional, only for
transfers)
    category_id INT,
    FOREIGN KEY (sender_user_id) REFERENCES User(id),
    FOREIGN KEY (receiver_user_id) REFERENCES User(id),
    FOREIGN KEY (category_id) REFERENCES Category(id)
);
```