User Guide for Python Script

Introduction:

This Python script provides functionality for a basic administration and customer management system using MySQL databases.

Setup:

1. Ensure you have MySQL installed on your system.
2. Create a MySQL database named "nnv" with necessary tables as per the script.
3. Modify the script's database connection details (host, user, password) to match your MySQL setup.

Usage:

Logging In:

1. Login As Admin (Option 1):
   - Enter your admin username and password when prompted.
   - Upon successful login, you'll have access to administrative functions.
   - Admin functions include viewing customer statistics, top customers with high transactions, adding coupons, and logging out.
2. Login As Customer (Option 2):
   - Enter your email ID and password to log in as a customer.
   - After successful login, you'll have access to customer functions.
   - Customer functions include viewing profile, buying products, viewing orders, past transactions, and logging out.
3. Sign Up As a New Customer (Option 3):
   - If you're a new customer, choose option 3 to sign up.
   - Provide your email ID and password.
   - Enter your personal details such as name, date of birth, address, etc., when prompted.
   - Upon successful signup, you'll be registered as a new customer.

Admin Functions:

- Customers Stats (Option 1):

- View detailed statistics of all customers including their IDs, names, addresses, age, phone numbers, and email IDs.
- Top 3 Customers With Highest Transactions (Option 2):
  - Retrieve and display the top three customers with the highest transaction amounts.
- Add a Coupon (Option 3):
  - Add a new coupon with details such as code, discount percentage, expiry date, and description.
- Logout (Option 4):
  - Log out of the admin session.

Customer Functions:

- View My Profile (Option 1):
  - View your personal profile details including name, email, phone, address, etc.
- Buy A Product (Option 2):
  - Browse available products and purchase desired items by entering the product ID and quantity.
  - Make sure to provide a valid product ID and quantity within the specified range (1 to 3).
- View Orders (Option 3):
  - View a list of your past orders including details like order ID, address, and total amount.
- Show Past Transactions (Option 4):
  - View a history of your past transactions including transaction ID, amount, status, and payment method.
- Logout (Option 5):
  - Log out of the customer session.

Exiting:

- Choose Option 4 to exit the program.

Note:

- Ensure to input valid data as per the prompts to avoid errors or unexpected behavior.
- In case of any issues or errors, refer to the error messages displayed for troubleshooting.