package bank\_management\_system;

import java.time.LocalDateTime;

import java.time.format.DateTimeFormatter;

public class Transaction {

private String type;

private double amount;

private LocalDateTime timestamp;

private double balanceAfterTransaction;

public Transaction(String type, double amount, double balanceAfterTransaction) {

this.type = type;

this.amount = amount;

this.timestamp = LocalDateTime.now();

this.balanceAfterTransaction = balanceAfterTransaction;

}

public String getType() {

return type;

}

public double getAmount() {

return amount;

}

public LocalDateTime getTimestamp() {

return timestamp;

}

public double getBalanceAfterTransaction() {

return balanceAfterTransaction;

}

@Override

public String toString() {

DateTimeFormatter formatter = DateTimeFormatter.ofPattern("yyyy-MM-dd HH:mm:ss");

String formattedTimestamp = timestamp.format(formatter);

return "Type: " + type +

", Amount: $" + String.format("%.2f", amount) +

", Date: " + formattedTimestamp +

", Balance After: $" + String.format("%.2f", balanceAfterTransaction);

}

}