**Implementing the Adapter Pattern**

**AdapterPatternExample:**

interface PaymentProcessor {

    void processPayment(double amount);

}

class PayPalGw {

    public void sendPayment(double amount) {

        System.out.println("Payment of ₹" + amount + " processed through PayPal.");

    }

}

class GpayGw {

    public void makePayment(double amount) {

        System.out.println("Payment of ₹" + amount + " processed through Gpay.");

    }

}

class PayPalAp implements PaymentProcessor {

    private PayPalGw ppGw;

    public PayPalAp(PayPalGw gateway) {

        this.ppGw = gateway;

    }

    @Override

    public void processPayment(double amt) {

        ppGw.sendPayment(amt);

    }

}

class GpayAp implements PaymentProcessor {

    private GpayGw GpGw;

    public GpayAp(GpayGw gateway) {

        GpGw = gateway;

    }

    @Override

    public void processPayment(double amount) {

        GpGw.makePayment(amount);

    }

}

public class AdapterPatternExample {

    public static void main(String[] args) {

        PaymentProcessor paypal = new PayPalAp(new PayPalGw());

        PaymentProcessor Gpay = new GpayAp(new GpayGw());

        paypal.processPayment(15000);

        Gpay.processPayment(25000);

    }

}

**Output:**

