SUPERSET-6413402

**Strategy Pattern**

// Strategy Interface

interface PaymentStrategy {

void pay(double amount);

}

// Concrete Strategies

class CreditCardPayment implements PaymentStrategy {

public void pay(double amount) {

System.out.println("Paid ₹" + amount + " using Credit Card");

}

}

class PayPalPayment implements PaymentStrategy {

public void pay(double amount) {

System.out.println("Paid ₹" + amount + " using PayPal");

}

}

// Context

class PaymentContext {

private PaymentStrategy strategy;

public void setPaymentStrategy(PaymentStrategy strategy) {

this.strategy = strategy;

}

public void executePayment(double amount) {

strategy.pay(amount);

}

}

// Test

public class TestStrategy {

public static void main(String[] args) {

PaymentContext context = new PaymentContext();

context.setPaymentStrategy(new CreditCardPayment());

context.executePayment(1200.0);

context.setPaymentStrategy(new PayPalPayment());

context.executePayment(850.5);

}

}

OUTPUT:  
Paid ₹1200.0 using Credit Card

Paid ₹850.5 using PayPal

