Module1\_StrategyPattern.docx

**NOTE: Executed all programs in online java compiler**

#code

interface PaymentStrategy {

void pay(int amount);

}

class CreditCardPayment implements PaymentStrategy {

public void pay(int amount) {

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

}

}

class PayPalPayment implements PaymentStrategy {

public void pay(int amount) {

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

}

}

class PaymentContext {

private PaymentStrategy strategy;

public void setPaymentStrategy(PaymentStrategy strategy) {

this.strategy = strategy;

}

public void pay(int amount) {

strategy.pay(amount);

}

}

public class Main {

public static void main(String[] args) {

PaymentContext context = new PaymentContext();

context.setPaymentStrategy(new CreditCardPayment());

context.pay(500);

context.setPaymentStrategy(new PayPalPayment());

context.pay(800);

}

}

#output

