**package** StrategyPattern;

**public** **interface** PaymentStrategy {

**void** pay(**double** amount);

}

**package** StrategyPattern;

**public** **class** CreditCardPayment **implements** PaymentStrategy {

**private** String cardNumber;

**public** CreditCardPayment(String cardNumber) {

**this**.cardNumber = cardNumber;

}

**public** **void** pay(**double** amount) {

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

}

}  
  
**package** StrategyPattern;

**public** **class** PayPalPayment **implements** PaymentStrategy {

**private** String email;

**public** PayPalPayment(String email) {

**this**.email = email;

}

**public** **void** pay(**double** amount) {

System.***out***.println("Paid ₹" + amount + " using PayPal account: " + email);

}

}

**package** StrategyPattern;

**public** **class** PaymentContext {

**private** PaymentStrategy strategy;

**public** **void** setPaymentStrategy(PaymentStrategy strategy) {

**this**.strategy = strategy;

}

**public** **void** processPayment(**double** amount) {

**if** (strategy == **null**) {

System.***out***.println("Payment method not selected.");

} **else** {

strategy.pay(amount);

}

}

}

**package** StrategyPattern;

**public** **class** Main {

**public** **static** **void** main(String[] args) {

PaymentContext context = **new** PaymentContext();

context.setPaymentStrategy(**new** CreditCardPayment("1234-5678-9876-5432"));

context.processPayment(1500.00);

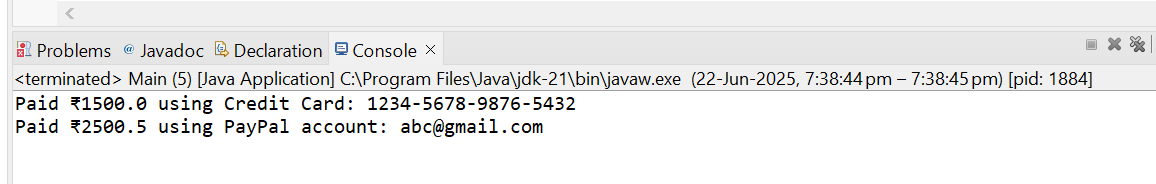
context.setPaymentStrategy(**new** PayPalPayment("abc@gmail.com"));

context.processPayment(2500.50);

}

}

**OUTPUT:**

****