Código Fuente

```
package payment.Methods;

public class CreditCard {

public CreditCard () {}

public void executePay (double amount) {
    System.out.println("»Paying with Credit Card: $"+amount);
}

}
```

```
package payment.Methods;
1
2
3
    public class DebitCard {
4
5
        public DebitCard() {}
6
        public void payment (double amount) {
7
8
            System.out.println("»Paying with Debit Card: $"+amount);
9
        }
10 }
```

```
package payment.Methods;
1
2
3
    public class PayPal {
4
5
        public PayPal() {}
6
7
           public void sendPayment(double amount) {
               System.out.println("»Paying with paypal: $"+amount);
8
9
10
    }
11
```

```
package adapter;

public interface Payment {
   void pay(double amount);
}
```

```
1
    package adapter;
2
3
    import payment.Methods.CreditCard;
4
5
    public class CreditPaymentAdapter implements Payment {
        CreditCard credit = new CreditCard();
6
7
8
        @Override
9
        public void pay(double amount) {
            credit.executePay(amount);
10
11
        }
12
   }
```

```
1
    package adapter;
2
3
    import payment.Methods.DebitCard;
4
5
    public class DebitPaymentAdapter implements Payment {
        DebitCard debit = new DebitCard();
6
7
8
        @Override
9
        public void pay(double amount) {
10
            debit.payment(amount);
11
        }
12
   }
```

```
1
    package adapter;
2
3
    import payment.Methods.PayPal;
4
    public class PaypalPaymentAdapter implements Payment {
5
6
        PayPal pal = new PayPal();
 7
8
        @Override
        public void pay(double amount) {
9
            pal.sendPayment(amount);
10
11
        }
12
    }
```

```
package launcher;
1
2
3
    import adapter.*;
4
5
    public class Client {
6
7
        public Client() {}
8
9
        public void makePayment(Payment method, double amount) {
10
            method.pay(amount);
11
        }
12
             public static void main(String args[]) {
13
14
                 Client client = new Client();
                 client.makePayment(new DebitPaymentAdapter(), 100);
15
16
                 client.makePayment(new CreditPaymentAdapter(), 200);
17
                 client.makePayment(new PaypalPaymentAdapter(), 300);
18
      }
19
```

Diagrama de Clases

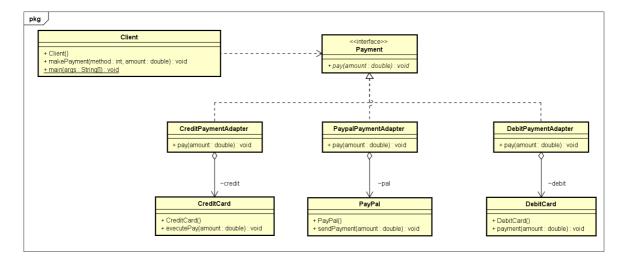
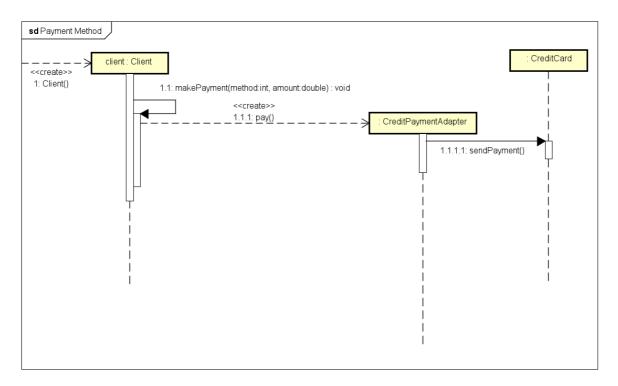


Diagrama de Secuencia



Ejecución

```
Output - Adapter (run)

run:

>>> Paying with Debit Card: $100.0

>>> Paying with Credit Card: $200.0

>>> Paying with paypal: $300.0

>>> BUILD SUCCESSFUL (total time: 0 seconds)
```