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# ***Solution***

## *For The*

# ***Chain Shop***

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Course Name: **Object Oriented Software Development**

Course Code: **SWE331**

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```
public class ShopMain {

    public static void main(String[] args) {

        Customer c = new Customer ();

        Shop s1 = new Shop("X", new VisaCard());
        Shop s2 = new Shop("Y", new Bkash());
        Shop s3 = new Shop("Z", new CashOnDelivery());

        c.selectPayment( s1, new CashOnDelivery() );
        c.selectPayment( s2, new VisaCard() );
        c.selectPayment( s3, new Bkash() );

    }

}

public class Shop {

    private String payemntName;
    private PaymentType PT;

    public Shop(String name, PaymentType paymentstyle) {
        this.payemntName = name;
        this.PT = paymentstyle;
        System.out.println(name+ " " + paymentstyle.getClass() + " ");
    }

    public void PaymentChange(PaymentType pt) {
        PT = pt;
        PT.payment();
    }

    public String getName(){
        return payemntName;
    }

}
```



```
public class Customer {  
  
    public void selectPayment (Shop s, PaymentType pt){  
  
        System.out.print( s.getName() + " :: ");  
        s.PaymentChange(pt);  
  
    }  
  
}
```

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```
public interface PaymentType {  
  
    public void payment();  
  
}
```

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```
public class VisaCard implements PaymentType {  
  
    public void payment (){  
  
        System.out.println("Payment type: Visa Card");  
  
    }  
  
}
```

---

```
public class CashOnDelivery implements PaymentType {  
  
    public void payment(){  
  
        System.out.println("Payment Type: Cash on Delivery");  
    }  
}
```

---



```
public class Bkash implements PaymentType {  
  
    public void payment(){  
  
        System.out.println("Payment Type: BKASH");  
    }  
}
```

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