

Week 6 I & T I.T 7 Demonstrate use of Polymorphism in a program

using interface

```
package Interface;  
  
public interface ILoyal {  
    double twoPercentOff(double rate);  
}
```

Implement interface

```
package Customer;  
  
import Interface.ILoyal;  
  
public class LoyalCardCustomer extends Customer implements ILoyal{  
    public LoyalCardCustomer(double wallet) {  
        super(wallet);  
    }  
  
    @Override  
    public double twoPercentOff(double rate) {  
        Double percentage = 1 - rate;  
        return percentage;  
    }  
}
```

Using the ILoyal interface

```
public void applyLoyalDiscount(ILoyal iLoyal){  
    this.total *=iLoyal.twoPercentOff( rate: 0.02);  
}  
  
public void chargeCustomer(Customer customer){  
    Double total = customer.getWallet();  
    total -= this.total;  
    customer.setWallet(total);  
}
```