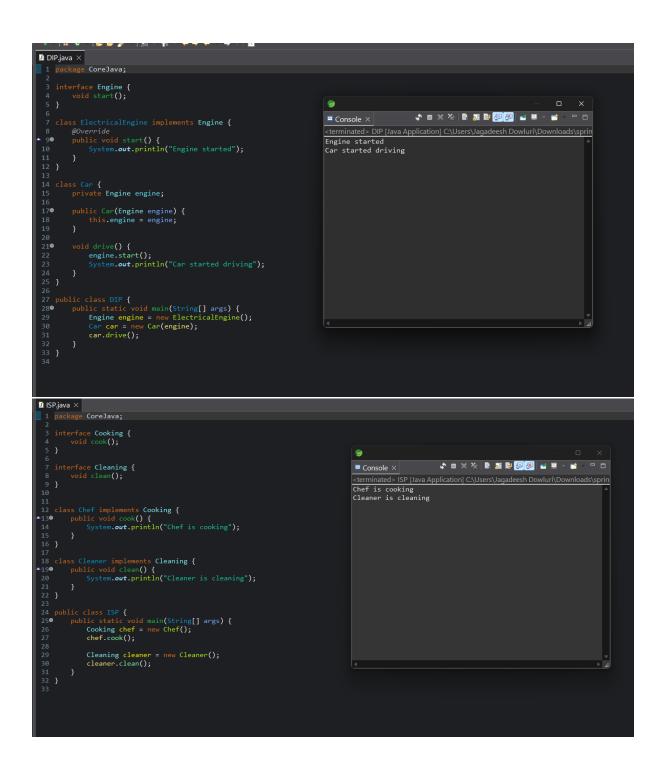
## **Solid Principles**

- ▼ 
   SolidPrinciples
  - > 🗾 DIP.java
  - > 🗾 ISP.java
  - > 🗓 LSP.java
  - > 🗾 OCP.java
  - > 🗾 SolidPrinciples.java
  - > 🗾 SRP.java



```
□ LSP.java ×
  1 package CoreJava_SolidPrinciples;
  3 interface Bottle{
4    void use();
5 }
9
                                                                                                                                          ■ Console ×
                                                                                                            Used for Juice
 15 System.out.

16 }

17 }

18 19 public class LSP {
         public static void main(String[] args) {
   Bottle wb = new Waterbottle();
   wb.use();
   Bottle jb = new JuiceBottle();
   jb.use();
   1 package CoreJava_SolidPrinciples;
   3 interface Discount{
4     void apply(double amount);
5 }
   5 }
6
7 class StudentDiscount implements Discount{
80 public void apply(double amount) {
9 double Discountamount = amount * 0.5;
10 System.out.println("Discounted Amount is"+ " "+Discountamount);
11 }
                                                                                                           9
                                                                                                                                       Discounted Amount is 602.625
Discounted Amount is 301.3125
 12 }
13
14 class RegularDiscount implements Discount(
*15® public void apply(double amount) {
16 double Discountamount = amount * 0.25;
17 System.out.println("Discounted Amount is"+" "+ Discountamount);
 StudentDiscount ds = new StudentDiscount();
ds.apply(bill);
RegularDiscount dr = new RegularDiscount();
dr.apply(bill);
}
```

