

# CCSW 413 Lab 6:

JAVA DECORATOR DESIGN PATTERNS  
LAB

PREPARED BY

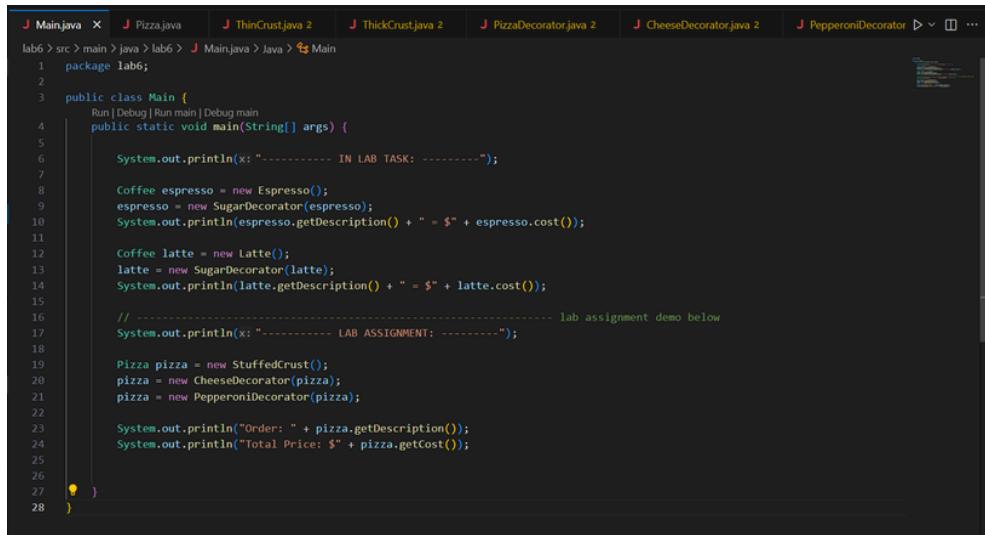
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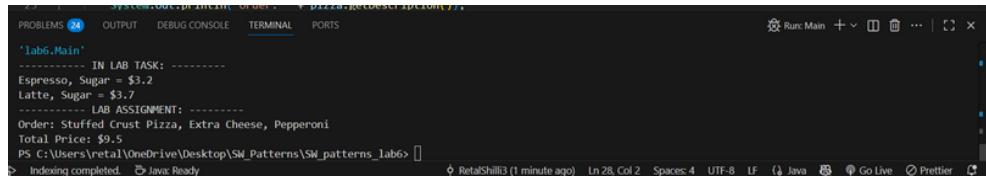
# Github Link: [lab6](#)

Main:



```
>Main.java | Pizza.java | ThinCrust.java 2 | ThickCrust.java 2 | PizzaDecorator.java 2 | CheeseDecorator.java 2 | PepperoniDecorator.java 2 | ...  
lab6 > src > main > java > lab6 > Main.java > Java > Main  
1 package lab6;  
2  
3 public class Main {  
4     Run | Debug | Run main | Debug main  
5     public static void main(String[] args) {  
6         System.out.println("----- IN LAB TASK: -----");  
7  
8         Coffee espresso = new Espresso();  
9         espresso = new SugarDecorator(espresso);  
10        System.out.println(espresso.getDescription() + " = $" + espresso.cost());  
11  
12         Coffee latte = new Latte();  
13         latte = new SugarDecorator(latte);  
14         System.out.println(latte.getDescription() + " = $" + latte.cost());  
15  
16         // ----- lab assignment demo below  
17         System.out.println("----- LAB ASSIGNMENT: -----");  
18  
19         Pizza pizza = new StuffedCrust();  
20         pizza = new CheeseDecorator(pizza);  
21         pizza = new PepperoniDecorator(pizza);  
22  
23         System.out.println("Order: " + pizza.getDescription());  
24         System.out.println("Total Price: $" + pizza.getCost());  
25  
26     }  
27 }  
28 }
```

output:



```
PROBLEMS 24 OUTPUT DEBUG CONSOLE TERMINAL PORTS  
'lab6.Main'  
----- IN LAB TASK: -----  
Espresso, Sugar = $3.2  
Latte, Sugar = $3.7  
----- LAB ASSIGNMENT: -----  
Order: Stuffed Crust Pizza, Extra Cheese, Pepperoni  
Total Price: $9.5  
PS C:\Users\retal\OneDrive\Desktop\SW_Patterns\SW_patterns_lab6> [REDACTED]  
Indexing completed. Java Ready
```

class diagram

