OOP WS35 TEMPLATE METHOD PATTERN

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The template method is a method in a superclass, usually an abstract superclass, it defines an structure of an algorithm in the superclass. The subclasses, called Concrete Classes, extend the above class and can override the method implementation without changing the structure of the superclass. Multiple subclasses can be built from an abstract superclass.

```
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                                                                                                                                                                                                                              o.java 🗴 | 👪 BeverageTest.java 🗴
                                                                                     package ec.edu.espe.caffeineBeverage.model;
                                                                                                    * @author Alvarez Michelle DEEL-ESPE
                                                                                                public abstract class CaffeineBeverage {
                                                                                                              abstract void brew();
                                                                                                  abstract void addCondiments();
                                                                                                         public final void prepareRecipe(){
                                                                                     14
                                                                                                                       boilWater();
                                                                                     15
16
17
                                                                                                                       pourlnCup();
                                                                                                                        if (wantsCondiments()) {
                                                                                     18
19
                                                                                                                                   addCondiments();
                                                                                     20
21
                                                                                     22
23
                                                                                                             void boilWater() {
                                                                                    24
25
                                                                                                                          System.out.println("Boiling water");
                                                                                                                         brew();
                                                                                     26
27
                                                                                                        void pourlnCup(){
                                                                                                                                                                                                                                                                                                                                                                                                      0
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                                                                                                   package ec.edu.espe.caffeineBeverage.model;
                                                                                     3
4 - /**
5 - *
6 - */
            RegistrationValidation
                                                                                                     * @author Alvarez Michelle DEEL-ESPE
                                                                                                 public class BeverageTest {
                                                                                                           public static void main(String[] args) {
                                                                                     11
                                                                                                                       Tea tea = new Tea();
Coffee coffee = new Coffee();
                                                                                     13
14
                                                                                                                        Cappuccino cappuccino = new Cappuccino();
                                                                                     15
16
17
18
19
20
21
22
                                                                                                                       System.out.println("\nMaking tea...");
                                                                                                                        tea.prepareRecipe();
                                                                                                                        System.out.println("Making coffee...");
                                                                                                                        coffee.prepareRecipe();
                                                                                                                        System.out.println("Making cappuccino...");
                                                                                     23
24
                                                                                                                          cappuccino.prepareRecipe();
                                                                                     25
26
                                                                                                   }
₽ Test Results ( Notifications
```