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OOP WS35 TEMPLATE METHOD PATTERN

TEMPLATE METHOD PATTERN

Template Method is a method of a superclass, usually the abstract superclass, and defines the skeleton of an algorithm operation in the superclass but allows subclasses to override steps of the algorithm without changing its structure. These steps are implemented by additional helper methods in the same class as the template method.

The screenshot shows the Apache NetBeans IDE interface. The left sidebar displays the project structure for 'CaffeineBeverage1'. The main editor window shows the source code for 'BeverageTest.java'. The code defines a package 'ec.edu.espe.CaffeineBeverage.view', imports 'Coffee' and 'Tea' from the model package, and defines a 'BeverageTest' class with a 'main' method. The 'main' method creates instances of 'Tea' and 'Coffee' and prints their names. The output window at the bottom shows the successful execution of the program, printing 'Making tea ...' and 'Making coffee ...'.

```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/licenses/license-default.txt to change this license
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4   */
5   package ec.edu.espe.CaffeineBeverage.view;
6
7   import ec.edu.espe.CaffeineBeverage.model.Coffee;
8   import ec.edu.espe.CaffeineBeverage.model.Tea;
9
10  /**
11   *
12   * @author Paul Saltos , DEEE-ESPE
13   */
14  public class BeverageTest {
15
16      public static void main(String[] args) {
17
18          Tea tea = new Tea();
19          Coffee coffee = new Coffee();
20
21          System.out.println( "Making tea ... " );
22
23
24          System.out.println( "Making coffee ... " );
25
26      }
27
28  }
```

Output X
ESPE202110-OOP-7490 - C:\Users\WASUS\Documents\CAPTURAS ESPE\ESPE202110-OOP-7490 - CaffeineBeverage1 (run) X
RUN:
Making tea ...
Making coffee ...
BUILD SUCCESSFUL (total time: 0 seconds)