

## UNIVERSITY OF THE ARMED FORCES – ESPE WS35 – TEMPLATE METHOD PATTERN

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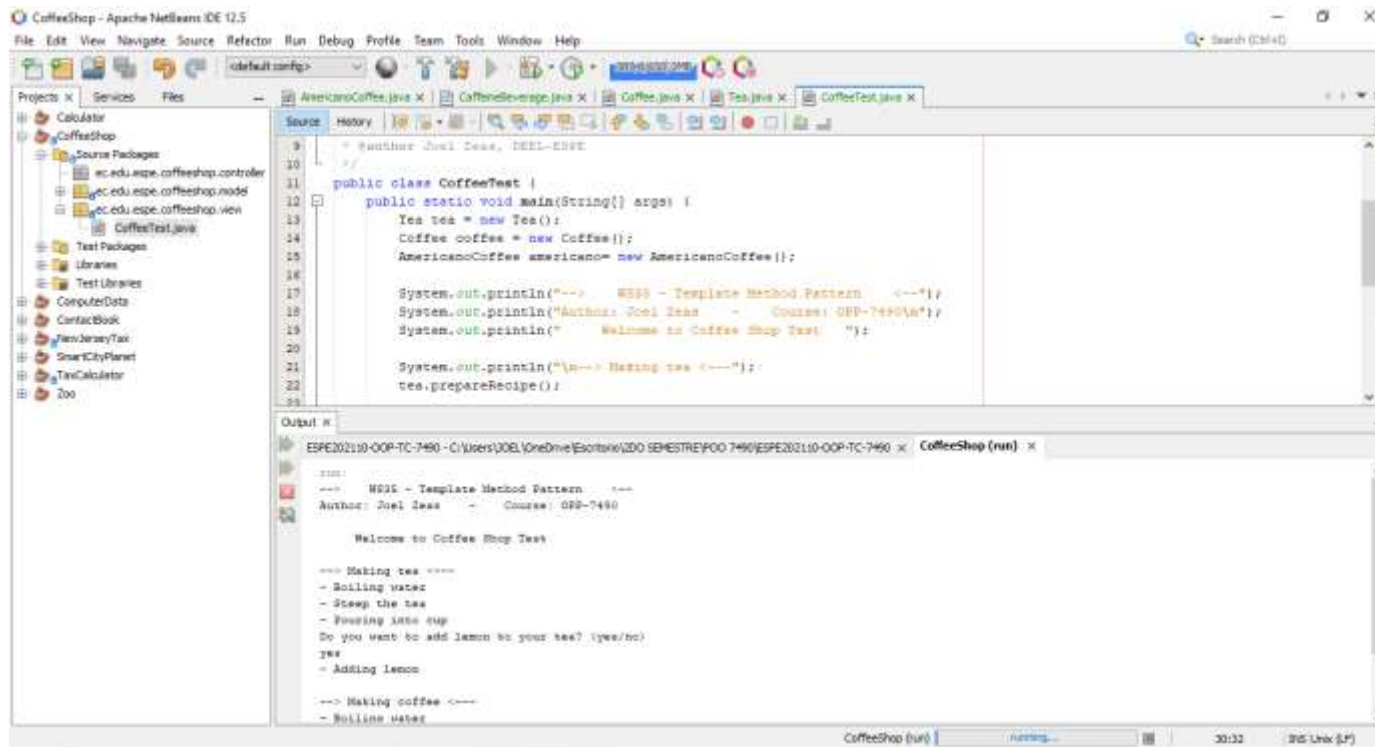
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**NRC:** 7490

**Career:** Telecommunications

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Template Method is a design pattern that allows to define the form of an algorithm in the database, it also allows subclasses or children classes to overwrite the steps already entered without changing the general structure of the algorithm and without having to write them again, provides users with simple methods to extend functionality through inheritance.



```
9 //
10 //
11 public class CoffeeTest {
12     public static void main(String[] args) {
13         Tea tea = new Tea();
14         Coffee coffee = new Coffee();
15         AmericanoCoffee americano = new AmericanoCoffee();
16
17         System.out.println("--> WS35 - Template Method Pattern <--");
18         System.out.println("Author: Joel Zeas - Course: QFP-7490/A");
19         System.out.println(" Welcome to Coffee Shop Test ");
20
21         System.out.println("\n--> Making tea <--");
22         tea.prepareRecipe();
23     }
24 }
```

Output:

```
TIME:
--> WS35 - Template Method Pattern <--
Author: Joel Zeas - Course: QFP-7490

Welcome to Coffee Shop Test

--> Making tea <--
- Boiling water
- Steep the tea
- Pouring into cup
Do you want to add lemon to your tea? (yes/no)
yes
- Adding lemon

--> Making coffee <--
- Boiling water
```