

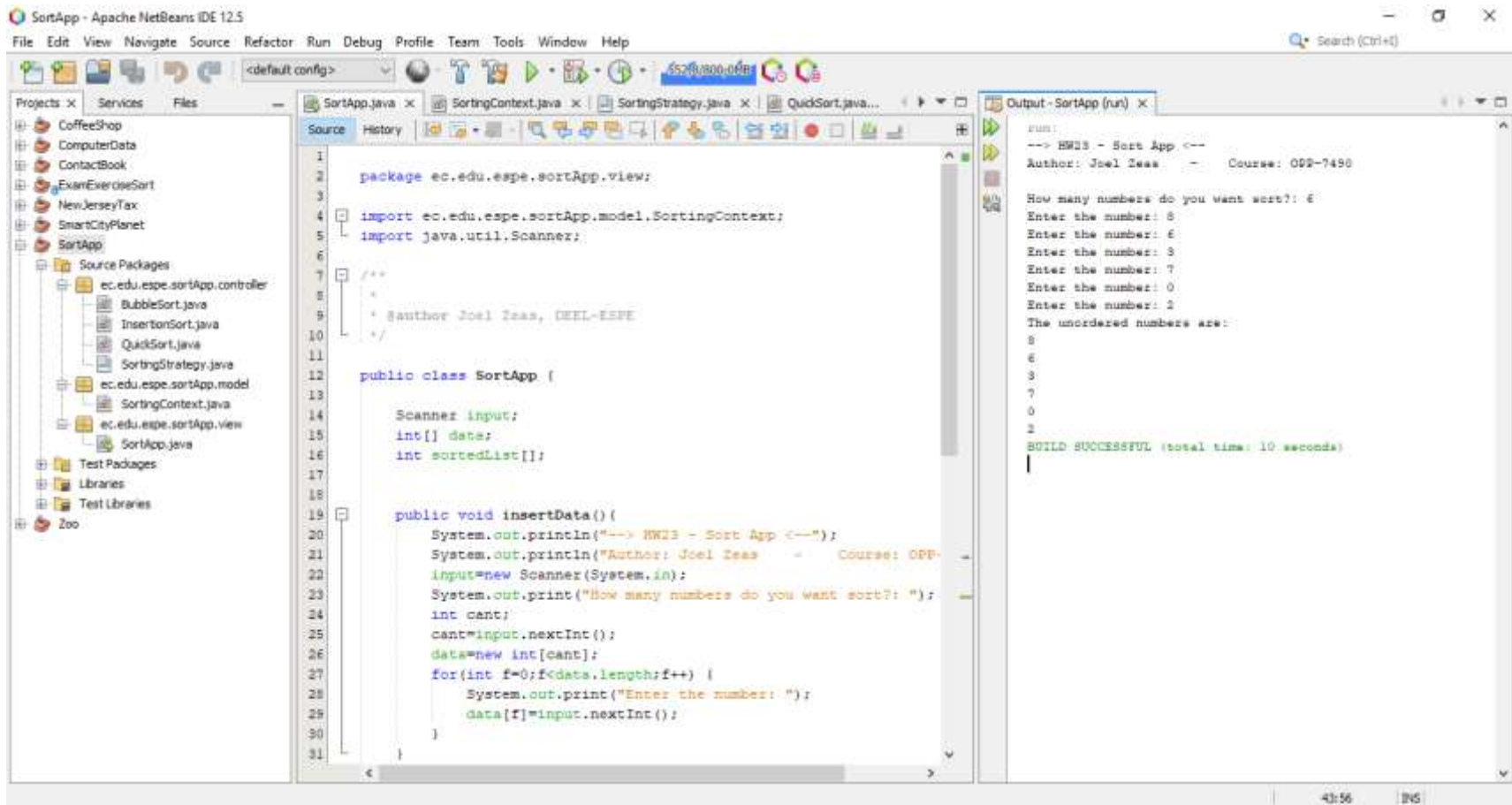
**UNIVERSITY OF THE ARMED FORCES – ESPE**  
**HW23 - STRATEGY PATTERN SORT APP**

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**NRC:** 7490

**Career:** Telecommunications



The screenshot displays the Apache NetBeans IDE interface. The main editor window shows the `SortApp.java` file, which is part of the `ec.edu.espe.sortApp.view` package. The code includes imports for `SortingContext` and `Scanner`, and defines a `SortApp` class with an `insertData()` method. The method uses a `Scanner` to read input from the user, prompts for the number of elements to sort, and then reads those elements into an array. The IDE's left sidebar shows the project structure, including source packages and test packages. The right sidebar displays the output of the program, which shows the user input and the sorted numbers.

```
package ec.edu.espe.sortApp.view;

import ec.edu.espe.sortApp.model.SortingContext;
import java.util.Scanner;

/**
 *
 * @author Joel Zeas, UDEL-ESPE
 */
public class SortApp {

    Scanner input;
    int[] data;
    int sortedList[];

    public void insertData() {
        System.out.println("--> HW23 - Sort App <--");
        System.out.println("Author: Joel Zeas - Course: OPP-7490");
        input = new Scanner(System.in);
        System.out.print("How many numbers do you want sort?: ");
        int cant;
        cant = input.nextInt();
        data = new int[cant];
        for (int f = 0; f < data.length; f++) {
            System.out.print("Enter the number: ");
            data[f] = input.nextInt();
        }
    }
}
```

Output - SortApp (run) X

```
Run:
--> HW23 - Sort App <--
Author: Joel Zeas - Course: OPP-7490

How many numbers do you want sort?: 6
Enter the number: 8
Enter the number: 6
Enter the number: 3
Enter the number: 7
Enter the number: 0
Enter the number: 2
The unordered numbers are:
8
6
3
7
0
2
BUILD SUCCESSFUL (total time: 10 seconds)
```