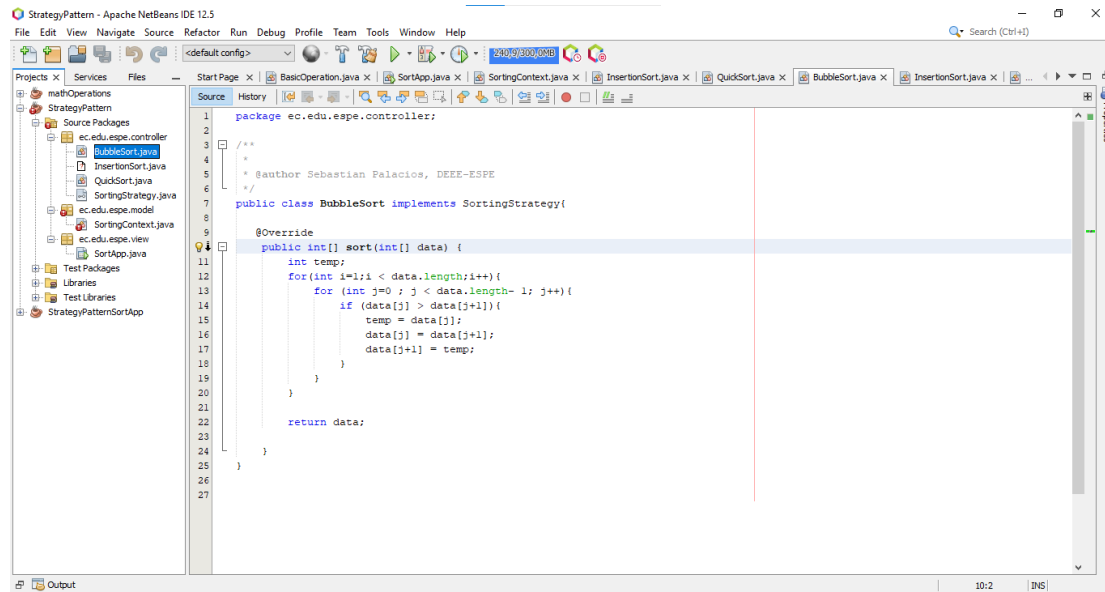


OOP HW23 Strategy Pattern Sort App

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The screenshot shows the Apache NetBeans IDE interface. The left sidebar displays the project structure for 'StrategyPattern'. The main editor window shows the source code for 'BubbleSort.java' in the 'ec.edu.espe.controller' package. The code implements the 'SortingStrategy' interface with a 'sort' method that performs a bubble sort on an integer array.

```
1 package ec.edu.espe.controller;
2
3 /**
4  * @author Sebastian Palacios, DEEE-ESPE
5  */
6 public class BubbleSort implements SortingStrategy{
7
8     @Override
9     public int[] sort(int[] data) {
10
11         int temp;
12         for(int i=1; i < data.length; i++){
13             for(int j=0; j < data.length- i; j++){
14                 if (data[j] > data[j+1]){
15                     temp = data[j];
16                     data[j] = data[j+1];
17                     data[j+1] = temp;
18                 }
19             }
20         }
21
22         return data;
23     }
24 }
25
26
27
```