

"UNIVERSIDAD DE LAS FUERZAS ARMADAS"

ESPE

SOFTWARE ENGINEERING

OBJECT - ORIENTED PROGRAMMING

TOPIC:

HOMEWORK 27 - Design patterns implementation

TEACHER:

PHD. EDISON LASCANO

NRC:

4680

DATE:

August 19, 2022

SEDE MATRIZ SANGOLQUÍ

QUITO-ECUADOR

2022

1. Loor Mercado Cesar Ignacio

Singleton ○ File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Singleton - Apache NetBeans IDE 14 ○ Search (Ctrl+I) - 0 X : 🔁 🚰 📮 🤚 i 🍏 🎑 : (default config> Projects × Services Files Start Page × 👪 ClientApp.java × 📓 USTax.java × <> > 0 AdminPanas
Composite
CoopLatinaMarco package ec.edu.espe.code.view; 3
4 ⊡ import ec.edu.espe.code.model.USTax; *

* @author Loor Cesar, DDCO-ESPE, GADC.MSI public class ClientApp { > lig Libraries > lig Test Libraries /**

* @param args the command line arguments public static void main(String[] args) {
 USTax tax = USTax.getInstance();
 tax.salesTotal();
} Output - Singleton (run) run: Singleton Sampleton
BUILD SUCCESSFUL (total time: 0 seconds) □ □ Output Strategy File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Strategy - Apache NetBeans IDE 14 V • 7 🔞 • 5 • 6 • 12409/340/0MBI 🗞 📞 : 🔁 🛅 🔡 🖣 : 🦻 🍘 : <default config> Projects X Services Files

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3 4 - /**
5 * *
6 * /
7 */
8 pub package ec.edu.espe.Strategy.model; *
* @author Loor Cesar, DDCO-ESPE, GADC.MSI
*/ public class SortingContext {
 private SortingStrategy ss; 10 11 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 public int[] sort(int data[]) {
 int size = data.length();
 ss = setSortStrategy(size);
 return ss.sort(data); SortingStrategy
strategy
Strategy.java

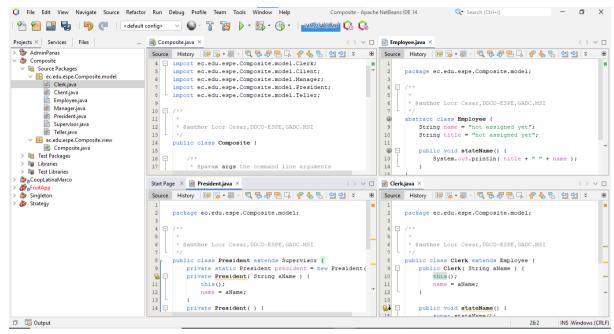
Test Packages

Libraries

Test Libraries SortingStrategy.java public SortingStrategy setSortStrategy(int n) {
 if(n > 0 && n < 30)
 ss = new BubbleSort();
 if(n > = 30 && n < 100)
 ss = new InsertionSort();
 if(n > = 100)
 ss = new QuickSort(); return ss;

27:1 INS Windows (CRLF)

Composite



Template

