КИЇВСЬКИЙ ТЕХНІЧНИЙ УНІВЕРСИТЕТ УКРАЇНИ «КИЇВСЬКИЙ ПОЛІТЕХНІЧНИЙ ІНСТИТУТ»

**Лабораторна робота №6**

З інженерії програмного забезпечення

**Тема**: «: Шаблони поведінки - Шаблони Strategy, Chain of Responsibility та Visitor»

залікова книжка № 3223

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**Мета:** Вивчення шаблонів поведінки. Отримання базових навичок з застосування шаблонів Strategy, Chain of Responsibility та Visitor.

**1. Завдання.**

1. Повторити шаблони поведінки для проектування ПЗ. Знати загальну характеристику шаблонів поведінки та призначення кожного з них.

2. Детально вивчити шаблони поведінки для проектування ПЗ — Strategy, Chain of Responsibility та Visitor. Для кожного з них:

вивчити Шаблон, його призначення, альтернативні назви, мотивацію, випадки коли його застосування є доцільним та результати такого застосування;

знати особливості реалізації Шаблону, споріднені шаблони, відомі випадки його застосування в програмних додатках;

вільно володіти структурою Шаблону, призначенням його класів та відносинами між ними;

вміти розпізнавати Шаблон в UML діаграмі класів та будувати сирцеві коди Java-класів, що реалізують шаблон.

3. В підготованому проекті (ЛР1) створити програмний пакет com.lab111.labwork6. В пакеті розробити інтерфейси і класи, що реалізують завдання (згідно варіанту) з застосуванням одного чи декількох шаблонів (п.2). В розроблюваних класах повністю реалізувати методи, пов'язані з функціюванням Шаблону. Методи, що реалізують бізнес-логіку закрити заглушками з виводом на консоль інформації про викликаний метод та його аргументи. Приклад реалізації бізнес-методу:

void draw(int x, int y){

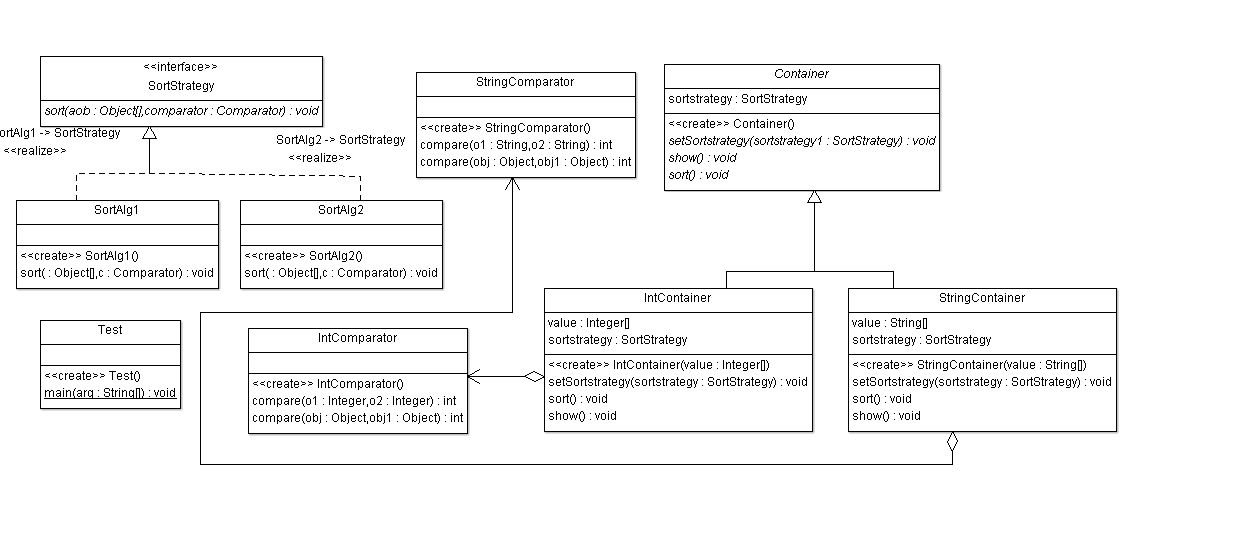
System.out.println(“Метод draw з параметрами x=”+x+” y=”+y);}

4. За допомогою автоматизованих засобів виконати повне документування розроблених класів (також методів і полів), при цьому документація має в достатній мірі висвітлювати роль певного класу в загальній структурі Шаблону та особливості конкретної реалізації.

**Мій варіант 3**

*Визначити специфікації класів, що реалізують контейнери для цілих чисел та текстових строк з можливістю їх сортування. Забезпечити можливість динамічної зміни алгоритму сортування шляхом зовнішньої параметризації. Реалізація алгоритму сортування має бути незалежною від типу даних, що сортуються.*

1. **Діаграма класів**

**

1. **JavaDoc**

## C

**[compare(Integer, Integer)](file:///D:\\obuchenie\\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\\JavaDoc6.3\\ua\\kpi\\ipz\\lab6\\IntComparator.html" \l "compare(java.lang.Integer,%20java.lang.Integer))** - Method in class ua.kpi.ipz.lab6.[IntComparator](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\IntComparator.html)

Method for compare

[**compare(Object, Object)**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\IntComparator.html#compare(java.lang.Object,%20java.lang.Object)) - Method in class ua.kpi.ipz.lab6.[IntComparator](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\IntComparator.html)

[**compare(String, String)**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringComparator.html#compare(java.lang.String,%20java.lang.String)) - Method in class ua.kpi.ipz.lab6.[StringComparator](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringComparator.html)

[**compare(Object, Object)**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringComparator.html#compare(java.lang.Object,%20java.lang.Object)) - Method in class ua.kpi.ipz.lab6.[StringComparator](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringComparator.html)

[****Container****](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\Container.html) - Class in [ua.kpi.ipz.lab6](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\package-summary.html)

Class container

[**Container()**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\Container.html#Container()) - Constructor for class ua.kpi.ipz.lab6.[Container](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\Container.html)

Constructor of this class

## I

****[IntComparator](file:///D:\\obuchenie\\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\\JavaDoc6.3\\ua\\kpi\\ipz\\lab6\\IntComparator.html" \o "class in ua.kpi.ipz.lab6)**** - Class in [ua.kpi.ipz.lab6](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\package-summary.html)

Class comparator for int

[**IntComparator()**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\IntComparator.html#IntComparator()) - Constructor for class ua.kpi.ipz.lab6.[IntComparator](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\IntComparator.html)

Constructor of this class

[****IntContainer****](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\IntContainer.html) - Class in [ua.kpi.ipz.lab6](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\package-summary.html)

Class Int container which extends container

[**IntContainer(Integer[])**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\IntContainer.html#IntContainer(java.lang.Integer[])) - Constructor for class ua.kpi.ipz.lab6.[IntContainer](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\IntContainer.html)

Constructor of this class

## M

**[main(String[])](file:///D:\\obuchenie\\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\\JavaDoc6.3\\ua\\kpi\\ipz\\lab6\\Test.html" \l "main(java.lang.String[]))** - Static method in class ua.kpi.ipz.lab6.[Test](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\Test.html)

main

## S

**[setSortstrategy(SortStrategy)](file:///D:\\obuchenie\\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\\JavaDoc6.3\\ua\\kpi\\ipz\\lab6\\Container.html" \l "setSortstrategy(ua.kpi.ipz.lab6.SortStrategy))** - Method in class ua.kpi.ipz.lab6.[Container](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\Container.html)

Setter for sortstrategy

[**setSortstrategy(SortStrategy)**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\IntContainer.html#setSortstrategy(ua.kpi.ipz.lab6.SortStrategy)) - Method in class ua.kpi.ipz.lab6.[IntContainer](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\IntContainer.html)

[**setSortstrategy(SortStrategy)**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringContainer.html#setSortstrategy(ua.kpi.ipz.lab6.SortStrategy)) - Method in class ua.kpi.ipz.lab6.[StringContainer](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringContainer.html)

[**show()**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\Container.html#show()) - Method in class ua.kpi.ipz.lab6.[Container](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\Container.html)

Printer method

[**show()**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\IntContainer.html#show()) - Method in class ua.kpi.ipz.lab6.[IntContainer](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\IntContainer.html)

[**show()**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringContainer.html#show()) - Method in class ua.kpi.ipz.lab6.[StringContainer](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringContainer.html)

[**sort()**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\Container.html#sort()) - Method in class ua.kpi.ipz.lab6.[Container](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\Container.html)

Sort Method

[**sort()**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\IntContainer.html#sort()) - Method in class ua.kpi.ipz.lab6.[IntContainer](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\IntContainer.html)

[**sort(Object[], Comparator)**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\SortAlg1.html#sort(java.lang.Object[],%20java.util.Comparator)) - Method in class ua.kpi.ipz.lab6.[SortAlg1](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\SortAlg1.html)

[**sort(Object[], Comparator)**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\SortAlg2.html#sort(java.lang.Object[],%20java.util.Comparator)) - Method in class ua.kpi.ipz.lab6.[SortAlg2](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\SortAlg2.html)

[**sort(Object[], Comparator)**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\SortStrategy.html#sort(java.lang.Object[],%20java.util.Comparator)) - Method in interface ua.kpi.ipz.lab6.[SortStrategy](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\SortStrategy.html)

sort method

[**sort()**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringContainer.html#sort()) - Method in class ua.kpi.ipz.lab6.[StringContainer](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringContainer.html)

[****SortAlg1****](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\SortAlg1.html) - Class in [ua.kpi.ipz.lab6](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\package-summary.html)

Class Sort Algorithm 1

[**SortAlg1()**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\SortAlg1.html#SortAlg1()) - Constructor for class ua.kpi.ipz.lab6.[SortAlg1](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\SortAlg1.html)

Constructor of this class

[****SortAlg2****](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\SortAlg2.html) - Class in [ua.kpi.ipz.lab6](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\package-summary.html)

Class Sort Algorithm 2

[**SortAlg2()**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\SortAlg2.html#SortAlg2()) - Constructor for class ua.kpi.ipz.lab6.[SortAlg2](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\SortAlg2.html)

Constructor of this class

[****SortStrategy****](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\SortStrategy.html) - Interface in [ua.kpi.ipz.lab6](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\package-summary.html)

This is sort strategy class

[****StringComparator****](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringComparator.html) - Class in [ua.kpi.ipz.lab6](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\package-summary.html)

Class comparator for sorting String

[**StringComparator()**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringComparator.html#StringComparator()) - Constructor for class ua.kpi.ipz.lab6.[StringComparator](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringComparator.html)

[****StringContainer****](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringContainer.html) - Class in [ua.kpi.ipz.lab6](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\package-summary.html)

The class stringcontainer which extends container

[**StringContainer(String[])**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringContainer.html#StringContainer(java.lang.String[])) - Constructor for class ua.kpi.ipz.lab6.[StringContainer](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\StringContainer.html)

Constructor of this class

## T

****[Test](file:///D:\\obuchenie\\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\\JavaDoc6.3\\ua\\kpi\\ipz\\lab6\\Test.html" \o "class in ua.kpi.ipz.lab6)**** - Class in [ua.kpi.ipz.lab6](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\package-summary.html)

Class Main which tested all

[**Test()**](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\Test.html#Test()) - Constructor for class ua.kpi.ipz.lab6.[Test](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\Test.html)

## U

[ua.kpi.ipz.lab6](file:///D:\obuchenie\2%20%D0%BA%D1%83%D1%80%D1%81%203%20%D1%81%D0%B5%D0%BC%D0%B5%D1%81%D1%82%D1%80\%D0%98%D0%BD%D0%B6%D0%B5%D0%BD%D0%B5%D1%80%D0%B8%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B3%D1%80%D0%B0%D0%BC%D0%BC%D0%BD%D0%BE%D0%B3%D0%BE%20%D0%BE%D0%B1%D0%B5%D1%81%D0%BF%D0%B5%D1%87%D0%B5%D0%BD%D0%B8%D1%8F\JavaDoc6.3\ua\kpi\ipz\lab6\package-summary.html) - package ua.kpi.ipz.lab6

1. **Роздруківка тексту**

**package** ua.kpi.ipz.lab6;

**import** java.util.Comparator;

/\*\*

\* Class comparator for int

\* **@author** Ruslan Popenko

\* **@version** 6.3

\*/

**public** **class** **IntComparator** **implements** Comparator {

/\*\*

\* Constructor of this class

\*/

**public** **IntComparator**() {

}

/\*\*

\* Method for compare

\* **@param** o1

\* **@param** o2

\* **@return**

\*/

**public** **int** **compare**(**Integer** o1, **Integer** o2) {

**if** (o1.intValue() > o2.intValue())

**return** 1;

**return** o1.intValue() >= o2.intValue() ? 0 : -1;

}

**public** **int** **compare**(**Object** obj, **Object** obj1) {

**return** compare((**Integer**) obj, (**Integer**) obj1);

}

}

**package** ua.kpi.ipz.lab6;

**import** java.io.PrintStream;

/\*\*

\* Class Int container which extends container

\* **@author** Ruslan Popenko

\* **@version** 6.3

\*/

**public** **class** **IntContainer** **extends** **Container** {

/\*\*

\* Constructor of this class

\* **@param** values

\*/

**public** **IntContainer**(**Integer** values[]) {

**this**.values = **new** **Integer**[100];

**this**.values = values;

}

/\*

\* Setters for sort strategy

\*/

**public** **void** **setSortstrategy**(SortStrategy sortstrategy) {

**this**.sortstrategy = sortstrategy;

}

/\*

\* Method for sort

\*/

**public** **void** **sort**() {

sortstrategy.sort(values, **new** IntComparator());

}

/\*

\* Method for print

\*/

**public** **void** **show**() {

**for** (**int** **i** = 0; i < values.length; i++)

**System**.***out***.print((**new** StringBuilder()).append(values[i])

.append(", ").toString());

**System**.***out***.println();

}

**protected** **Integer** values[];

SortStrategy sortstrategy;

}

package ua.kpi.ipz.lab6;

import java.io.PrintStream;

import java.util.Arrays;

import java.util.Comparator;

/\*\*

\* Class Sort Algorithm 1

\* @author Ruslan Popenko

\* @version 6.3

\*/

public class SortAlg1 implements SortStrategy {

/\*\*

\* Constructor of this class

\*/

public SortAlg1() {

}

/\*

\* method for sorting

\*/

public void sort(Object a[], Comparator c) {

Arrays.sort(a, c);

System.out.println("Sorting by first algorithm");

}

}

package ua.kpi.ipz.lab6;

import java.io.PrintStream;

import java.util.Arrays;

import java.util.Comparator;

/\*\*

\* Class Sort Algorithm 2

\* @author Ruslan Popenko

\* @version 6.3

\*/

public class SortAlg2 implements SortStrategy {

/\*\*

\* Constructor of this class

\*/

public SortAlg2() {

}

/\*

\* method for sorting

\*/

public void sort(Object a[], Comparator c) {

Arrays.sort(a, c);

System.out.println("Sorting by second algorithm");

}

}

**package** ua.kpi.ipz.lab6;

**import** java.util.Comparator;

/\*\*

\* This is sort strategy class

\* **@author** Ruslan Popenko

\* **@version** 6.3

\*/

**public** **interface** SortStrategy

{

/\*\*

\* sort method

\* **@param** aobj

\* **@param** comparator

\*/

**public** **abstract** **void** **sort**(**Object** aobj[], Comparator comparator);

}

**package** ua.kpi.ipz.lab6;

**import** java.util.Comparator;

/\*\*

\* Class comparator for sorting String

\* **@author** Ruslan Popenko

\* **@version** 6.3

\*/

**public** **class** **StringComparator** **implements** Comparator {

**public** **StringComparator**() {

}

/\*\*

\* **@param** o1

\* **@param** o2

\* **@return** compare

\*/

**public** **int** **compare**(**String** o1, **String** o2) {

**return** o1.compareTo(o2);

}

/\* (non-Javadoc)

\* @see java.util.Comparator#compare(java.lang.Object, java.lang.Object)

\*/

**public** **int** **compare**(**Object** obj, **Object** obj1) {

**return** compare((**String**) obj, (**String**) obj1);

}

}

**package** ua.kpi.ipz.lab6;

**import** java.io.PrintStream;

/\*\*

\* The class stringcontainer which extends container

\* **@author** Ruslan Popenko

\* **@version** 6.3

\*/

**public** **class** **StringContainer** **extends** **Container** {

/\*\*

\* Constructor of this class

\* **@param** values

\*/

**public** **StringContainer**(**String** values[]) {

**this**.values = **new** **String**[100];

**this**.values = values;

}

/\*

\* Seter

\*/

**public** **void** **setSortstrategy**(SortStrategy sortstrategy) {

**this**.sortstrategy = sortstrategy;

}

/\*

\* method which sorted

\*/

**public** **void** **sort**() {

sortstrategy.sort(values, **new** StringComparator());

}

/\*

\* method for print

\*/

**public** **void** **show**() {

**for** (**int** **i** = 0; i < values.length; i++)

**System**.***out***.print((**new** StringBuilder(**String**.*valueOf*(values[i])))

.append(", ").toString());

**System**.***out***.println();

}

**protected** **String** values[];

SortStrategy sortstrategy;

}

**package** ua.kpi.ipz.lab6;

/\*\*

\* Class Main which tested all

\* **@author** Ruslan Popenko

\* **@version** 6.3

\*/

**public** **class** **Test** {

**public** **Test**() {

}

/\*\*

\* main

\* **@param** args

\*/

**public** **static** **void** **main**(**String** args[]) {

**Integer** **a**[] = { **Integer**.*valueOf*(1), **Integer**.*valueOf*(3),

**Integer**.*valueOf*(5), **Integer**.*valueOf*(2), **Integer**.*valueOf*(7) };

**String** **b**[] = { "ab", "we", "to" };

**StringContainer** **con2** = **new** StringContainer(b);

**IntContainer** **con** = **new** IntContainer(a);

con2.setSortstrategy(**new** SortAlg1());

con.setSortstrategy(**new** SortAlg2());

con2.sort();

con2.show();

con.sort();

con.show();

}

}