

Package myContainerPackage

## Interface JavaContainer<T>

Type Parameters:

T - type of data It has 4 methods: 1. Add(T n) : add an element to the container 2. Remove(T n) : remove an element from the container 3. Size() : return the size of the container 4. getIterator() : return an iterator of the container

All Known Implementing Classes:

JavaSet, JavaVector

```
public interface JavaContainer<T>
```

JavaContainer interface It is a generic interface for JavaSet and JavaVector

### Method Summary

All Methods	Instance Methods	Abstract Methods
Modifier and Type	Method	Description
boolean	Add(T n)	Add method It adds the given element to the container
java.util.Iterator<T>	getIterator()	getIterator method
boolean	Remove(T n)	Remove method It removes the given element from the container
int	Size()	Size method

### Method Detail

Add

boolean Add(T n)

Add method It adds the given element to the container

**Parameters:**

n - element to be added

Remove

boolean Remove(T n)

Remove method It removes the given element from the container

**Parameters:**

n - element to be removed

**Returns:**

true if the element is removed

**Throws:**

InvalidParameterException - if the element is not in the container

java.lang.ArithmeticException - if the container is empty

Size

int Size()

Size method

**Returns:**  
size of the container

getIterator

java.util.Iterator<T> getIterator()

getIterator method

**Returns:**  
iterator of the container