

# JAVA.UTIL.STACK CLASS

[http://www.tutorialspoint.com/java/util/java\\_util\\_stack.htm](http://www.tutorialspoint.com/java/util/java_util_stack.htm)

Copyright © tutorialspoint.com

## Introduction

The **java.util.Stack** class represents a last-in-first-out *LIFO* stack of objects.

- When a stack is first created, it contains no items.
- In this class, the last element inserted is accessed first.

## Class declaration

Following is the declaration for **java.util.Stack** class:

```
public class Stack<E>  
    extends Vector<E>
```

## Class constructors

### S.N. Constructor & Description

- |   |  |
|---|--|
| 1 | <b>Stack</b><br>This constructor creates an empty stack. |
|---|--|

## Class methods

### S.N. Method & Description

- |   |  |
|---|--|
| 1 | <a href="#"><u>boolean empty</u></a><br>This method tests if this stack is empty.  |
| 2 | <a href="#"><u>E peek</u></a><br>This method looks at the object at the top of this stack without removing it from the stack.                  |
| 3 | <a href="#"><u>E pop</u></a><br>This method removes the object at the top of this stack and returns that object as the value of this function. |
| 4 | <a href="#"><u>E pushEitem</u></a><br>This method pushes an item onto the top of this stack.   |
| 5 | <a href="#"><u>int searchObjecto</u></a><br>This method returns the 1-based position where an object is on this stack.                         |

## Methods inherited

This class inherits methods from the following classes:

- `java.util.Vector`
- `java.util.AbstractList`
- `java.util.Object`
- `java.util.List`

Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js