**Methods in Stack Class**

| **METHOD** | **DESCRIPTION** |
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| [empty()](https://www.geeksforgeeks.org/stack-empty-method-in-java/) | It returns true if nothing is on the top of the stack. Else, returns false. |
| [peek()](https://www.geeksforgeeks.org/stack-peek-method-in-java/) | Returns the element on the top of the stack, but does not remove it. |
| [pop()](https://www.geeksforgeeks.org/stack-pop-method-in-java/) | Removes and returns the top element of the stack. An ‘EmptyStackException’  An exception is thrown if we call pop() when the invoking stack is empty. |
| [push(Object element)](https://www.geeksforgeeks.org/stack-push-method-in-java/) | Pushes an element on the top of the stack. |
| [search(Object element)](https://www.geeksforgeeks.org/stack-search-method-in-java/) | It determines whether an object exists in the stack. If the element is found,  It returns the position of the element from the top of the stack. Else, it returns -1. |