

| METHOD | DESCRIPTION |
|-----------|--|
| push() | Pushes an item onto the top of stack |
| pop() | Removes the object at the top of stack and returns the object as value |
| peek() | looks at the object at the top of the stack |
| isEmpty() | Tests if the stack is empty |
| search() | Returns the 1-based position where an object is in a stack |

Example:

```

public class StackExample {
    public static void main (String[] args) {
        Stack<Integer> stack = new Stack<>();

        // Push
        stack.push(10);
        stack.push(20);
        stack.push(30);

        // Display
        System.out.println(stack); [10, 20, 30]

        // Peek at top element
        System.out.println(stack.peek()); 30

        // Pop an element
        stack.pop(); 30

        // Display
        System.out.println(stack); [10, 20]

        // check if stack is empty
        boolean isEmpty = stack.isEmpty(); // false

        // Stack size
        System.out.println(stack.size()); 2
    }
}
    
```


// Search for an element

System.out.println(stackSearch(20));

}

}