Code : 1

```
package Topic_14_Stacks;

import java.util.*;

public class StackDemo {

	public static void main(String[] args) {
		// Write your code here

		Stack<Integer> stack = new Stack<>(); // push, pop, peek are all 0(1)
		stack.push(10); // 10
		stack.push(20); // 10, 20
		stack.push(30); // 10, 20, 30
		stack.push(40); // 10, 20, 30, 40

		System.out.println(stack); // 10, 20, 30, 40
		System.out.println(stack.peek()); // 40
		stack.pop(); // 10, 20, 30

		System.out.println(stack.peek()); // 30
		stack.pop(); // 10, 20

		System.out.println(stack.peek()); // 20
		stack.pop(); // 10

		System.out.println(stack.peek()); // 10
		stack.pop(); //

		System.out.println(stack.peek()); // error
		stack.pop(); // error
	}
}
```

Code : 2

```
package Topic_14_Stacks;

import java.util.*;

public class StackDemo2 {

	public static void main(String[] args) {
		// Write your code here

		Stack<String> stack = new Stack<>(); // push, pop, peek are all 0(1)

		stack.push("Hello"); // "Hello"
		stack.push("Bye"); // "Hello", "Bye"
		stack.push("World"); // "Hello", "Bye", "World"

		while (stack.size() > 0) {
			String tos = stack.peek();
			System.out.println(tos);
			stack.pop();
		}
	}
}
```