



Java Stack API: <https://docs.oracle.com/javase/8/docs/api/java/util/Stack.html>

Select STACK In Exploration Mode,look at push, pop and peek: <https://visualgo.net/en/list>

# Design Decision

what if client code  
tries to pop or peek when  
the stack is empty?

~~return null?~~

throw an exception?

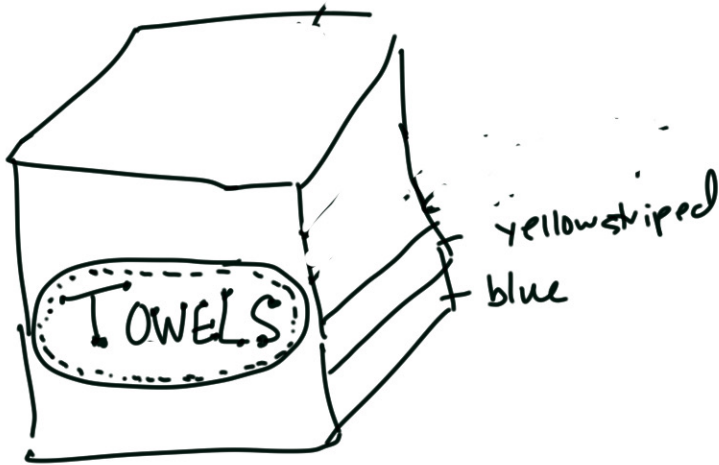
# Stack Example



- a) push blue
- b) push yellow striped
- c) push paisley
- d) push orange
- e) pop
- f) push maroon

- g) pop
- h) pop
- i) push polka dot

# Stack Example



- a) push blue ✓
- b) push yellow striped ✓
- c) push paisley ✓
- d) push orange ✓
- e) pop & This remove orange ✓
- f) push maroon ✓
- g) pop (remove maroon) ✓
- h) pop (remove paisley) ✓
- i) push polka dot ✓
- j) pop (remove polka dot) ✓