Stack

- is abstract data type
- dictates the operations we can perform on set of data
- LIFO – last in, first out
- Push – adds an item as the top item on the stack
- Pop – removes the top item on the stack
- Peek – gets the top item on the stack without popping it
- Ideal backing data structure: linked list but it can also backed by Array
- Time Complexity:
  - O(1) for pop, push, peek when using linked list
  - O(n) for array, because it may have to be resized

Push("ann")

ann	<- top

Push("lee")

lee	<- top
ann	

Push("tom")

tom	<- top
lee	
ann	

Pop()

lee	<- top
ann	

PoppedValue = "tom"