

- Last in is first out
- Primitive Operations:
- -createStack:
- -push: Stack x element
- -isEmpty: Stack
- -top: Stack x Element
- -pop: Stack x Element
- -> Stack
- -> Stack
- -> Boolean
- -> Element
- -> Element & Stack

Push(T newItem): Modifier

"Push a new item to the top of the last node vinculed"

{ pre: Stack initializated }

{ post: Stack size increment +1 and a new item added after the last element:

TopElement -> NewElement }

IsEmpty(): Analyzer

"Check if the stack is empty or not and return a boolean value"

{ pre: Stack initializated }

{ post: True if the Stack is empty or False if isn't empty }

Top(): Analyzer

"Returns the element at the beginning of the stack but without removing it from the stack"

{ pre: The Queue isn't Empty and it must stay initializated }

{ post: Element: The element in the top of the Stack }

Pop(): Modifier

"Returns the element to the beginning of the stack and removes it from it"

{ pre: The queue must stay initializated } { post: Element: The Element in the front of the Stack and remove it from it }

CreateStack(): Constructor

"Create a new empty Stack ready to add new items at the top"

{ pre: TRUE }

{ post: NewStack: The new created Stack

ready to add new elements }