Note Title 15 180 - Loctur AT TOUR CONSECTION - Midterm 1 will be Thurs, Sept. 24 in class Review session will be Monday of lab will be Wednesday the 23rd -trogram 1- due Friday HW3 will come out this week 9/13/2009

- size (): Return # of objects In Stack

- Is Empty (): Return boolean indicating it stack is empty

- top (): Return to object on stack without remover; it

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Input: none Output: Object Stacks: list of objects supporting the -popl): Insert a at top of stack
-popl): remove & return top object an stack
Triput: none Output: Object

Stacks are one of the built in class in the Standard Template Library (We'll use this for (ab soon ...) Functions: push, pop, top, size, & empty Documentation 15 available online.

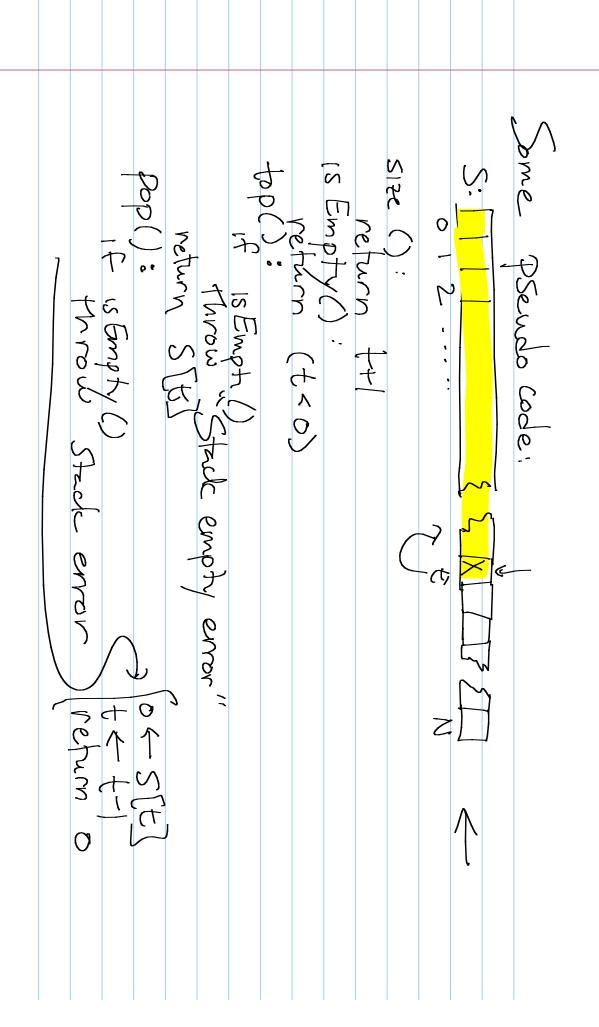
on an empt template <typename Object>
class Stack {
2

Class Stack {
3

Const Object {
3

Object {
3 > Object pap (); Dur Interface: Always worth planning const Object & top () const; bool 15 Empty () const; int size () const. the functions alread

					<u>'</u>	(see vehin tises)	Should poor + too be different!	objects?	One complication: how should be votus



						(with a tow Chanses)	Based on code from text (0.163)	Our code: available on webjace	

What is the main disaduantage? predefined maximum SIRE spend out each three stack

Sec. 4,2,3 - Funchin calls + stacks Called The run-time stack to been track of local variables. Why is this data structure ideal? (See 166-168 for more detail.