CS2100 - Stacks 2/1/2016 Announcements - Lab on Wednesday this week (tomorrow is normal lecture)

Stack: a way to store a list of older

Ex: Web browser: Store history for
"back" button

Ex: Text editors: Store previously used commands

LIFO

empty stack

Tabetreet date type The stack ADT: Supports 2 main functions: - push (e): add e to 'top' of the stark - pop(): remove e from the stack Others

- top(): returns top element of the Stack without vemoving it

-empty(): returns true if stack

- 5,7el: returns # of objects in

The Standard template library
- Has jostream, string, etc.

- Also has basic date structures!

(We'll be coding our own any way.)

- See aplus plus, com for documentation...

int 512e; Slinked list 5; SIRT. capacity

From the outside, these look the -stil test via: Linked Stack Stack < int > mystack;

Array Stack mystack. push (12);

mystack. push (11);

Cout << mystack. top () << endl;

mystack. pop (); Met.

