Simple List class

Kecop.

-HW2 - recap. -Reading was due Any questions? - Reading assignment for Wednesday - No office hours Thursday-will make up Wed. for fr

-Next HW: on lists will be on zybooks

Now: A first date structure Singly linked lists: A collection of nodes that have a linear ordering Ex: LAXION STLLON tail MEPT. NULL But in nemory : 5 LAX 356 101 102 7296 297 -head IOI STL 296 355 356 357

Why this structure? Note: Not the same as C++'s list class (or Python's, for that matter) However, this linked structure is useful in a number of data structures. Why not use an array? - fixed Size downside: -getting ith element

Implemention: Nodes



Huh? We'll need a node struct struct SNode & Object data; SNade * next; Then, in the class, have: private: PSNode * head; SNode & tail; Functions? append Insert After / Before Prepend empty

Code

-template stypename Object >

class SLinked List Z

private:

struct SNode E

Object staj SNode * next;

int S * i head;

public:

3

E

SLinkedList (); ~SLinkedList ();

Today: Code! (on webpage)