CS(80- List C	<u>(ass</u>
A (0,10,50,10,50, 0,10,45	
P	rext Thesday
Trogram due V	UXI heschy

Motivation: If we know where something Should go in the list, it should do be a fast operation. Trade-off with vectors: - Insert is fast. -less memory - don't have I.7 notation my list [7]

Essentially, an iterator is a user-safe We write the iterator class to give the user a way to select an item in the list. Ex: Function insert After 1

How to use: (based on STZ) List <int> mylist; List <int>:: iterator it; my list. push-back (5); my list. push-back (7); my list. push-back (9); it = mylist. begin (); mylist.insert (it, b); //insert b before More.

5-6-7-9 NULL

for (it=mylist. begin(); it !=mylist.end(); it++)

cout << " " << * it;

cont exendl;

-5-6-7-9

Functions from last time - Constructor (blank one) - front - returns Herator to Front of 1.5 t begin - operator > - return contents of iterator - operator ++ - go to next object in list In List class pointer1= Evariable; this constructor

