Today - Lecture 9 - C5162

1) Continue with the class construct creating a "List" class for our show list pagram.

- -review concepts
- -examine the design
- implement another class

<u>Class</u> <u>Construct</u>

class -> data type object -> variable, instance of a data type class interface -> where we declare functions (function prototypes) and specify the data that will be available for all objects of this class. __ member function prototypes - Accessible by functions outside of this class -place data members here only accessible by functions inside this "class suppe" (or friends)

Multiple Files • h file (declarations) 1) # includes 2) constants 3) structs also prototypes 4) class interfaces 5) DO NOT implement the "body" of functions in the .h file 6) DO NOT #include any opp file ecpp files (implementation file) function definitions 1) #include "~.h" goes to your 2) Function bodies current working directory, in all 3) There can be only / main function in all of the cop files put together

On unix, compile via: 9++ main. app video. app 9++ * - CPP this works if all of the functions in your directory are part of this "project" To use the golb or dold debuggers, compile with the -g option

9++ -9 * - GPP

- When implementing member functions 1) In the app file ALL prototypes listed in the class interface (.h) MUST be implemented 2) Preceed function name with the class name and the scope resolution operator (::) Video: Video() 11 body of the function
 - Void (video 23) display()
 {

 // body of the function
 }

Now ... using classes for the list of shows: 1) Design the solution by thinking about the Idata and thinking about what operations make sense working on that data - GROUPING IT TOGETHER Show ITEM create an all about just DNE item rating compare the compare rating create Show List Array of items display all Number of Erra,