Today - Lecture 7 - C5/62

- 1) Topic 2 Structures
 - Experience using them in a program
- Creating a sample program using:

Functions, arguments, Arrays and structures

Announcements

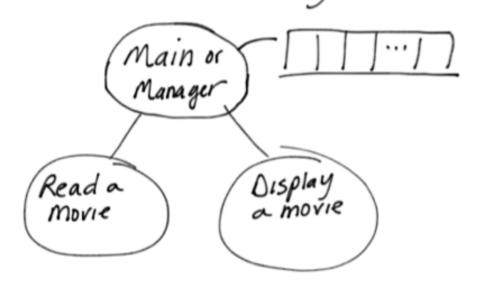
* Make sure to hit the "Submit" button in D2L after uploading files into the drappox!

Next - Develop code using structs

1) Manage a List of Movies

2) Step 1 - Create a Structure to manage 1 move

3) Then create an array of movies

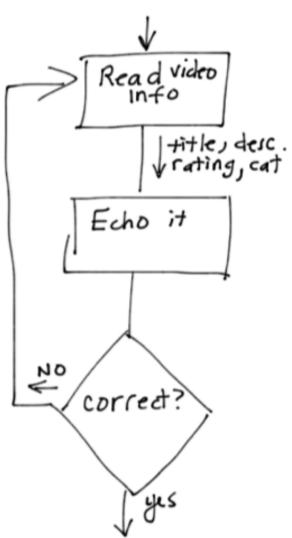


4) Then, next lecture we will store the information in an external file!

If we didn't use structs (or classes...):

-A video will have a title, description, rating, category

131 chars 300 charmax 6 chars 16



char title [131];
char description [300];
char rating [6];
char category [14];

do
{
 readall (title, description,
 rating, category);
 displayall (title, description,
 rating, category);
} while (!correct());

```
Returns true when the
bool correct()
                                   user is satisfied
  char response = 'n';
  cout << "Is this correct? Y,N";
  cin >> response;
  if (toupper (response) == 'n')
           return false;
  return true;
void readall (charn [], chard [], char [], char ([))
                             Pick better names!
     read ("Enter the title, 131, n);
     read ("Descrition," 300, d);
     read ("Rating", 6, r);
    Fead ("Category", 16, c);
```

But with Structs:

```
Group the information as members in a structure:
```

```
Struct video

that title [1317; use a constant!

char description [3007;

char rating [6];

char category [16];

important!
```

```
main
video show;

do
{
    readall (show);
    displayall (show);
} while (!correct());
```

```
Void readall (video & s)

Fead ("Title", 131, so title);

Object of a member

Structure

Direct member

access operator
```

Our design....

1) A "Show" item has a title, description, etc.
2) Allow the user to enter these, find the highest rating, find a particular show based on name and display all. (and more!)

