C.S Bridge Mordule 4 Data Types and Expressions Part 3: "Char" The "char" data type

- "char"s are used to represent characters, each character data represents a single character

Kind of Data: Characters

Inner Representation: Each "chur" data uses 1 Byte (86:45)

- Mays a number to a character duta - This mapping can consert to 256 different "char" representations - This is seen via ASCII tuble

- If we have a char" a
-The ASCII table converts 'a' to (97%)
-(97%) is then converted by its Birmy Representation (01100001)

"char" Literals:

- We want our "char" data to be enclosed in single quotes ('a')
- 'a' would be the C++ Literal For a.
- 'In' represents a "New-Live" character. * Special Syntax *

Arithmetic Operators: "+", "-", "="

-for instance, "chor" ch 1 = 'a' + 1;

This will give us the "chor" value that comes "1" after 'a', which is 'b'

-But if we, cout cc'a' + 1 ccendl; We get "98" due to Immpiller Cast of Implicit Cost

The "string" Class

"String" is NOT a built in data type in C++

- In order to use string we need to extend our language with the "string" libery - # include <string>

Kind of Data: Strings/Text

Inner Representation: Sequence of Characters

C++ Cstring Libery) Literals:
- Double quotes: "This is a string"

Arithmetic Operators: "+", "="