31 - How Strings Work in C++

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- Very much tied with arrays and pointers
 What is a string in general?
 group of characters
 represent text na certain shape of format
 could be a single char ou a paragraph
 Way to reresent and manipulate the text
 First need to understand how char works
 There is a data type called char, 1 byte of memory
 Usefulf for alocate buffers
 very usefulf for text
 UTF1 > 16 BITS to store....
 But c++ the base is char1 byte (limited)
 basicl english
 string is just na arry of chars
 refers to const char* pointers

```
Diagnostic Tool:

COO

Diagnostics session O seconds (63 ms selected)

To

Ferents

Private System
+ ○ → c\Users\Yan\Documents\Visual Stu
#include <iostream>
         char* name = "Cherno";
name[2] = 'a';
```

```
won't do this, because it's actually a copy of that object and give it to this function since this is a ready only function, there is no need to copy the string... just access it. And it's very slow yold PrintString31(std::string string)
std::cout << string << std::endl;
if(string31 && string31 2)
      std::cout << string31_2 << std::endl;
 std::string string31_4 = std::string("Hugo") + " Hugo2";
// both peform the same results
```