

C-STRINGS

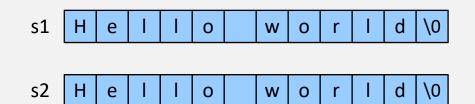
C-Style / Character Strings

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C-STRINGS

• C-Strings consist of a null-terminated character array

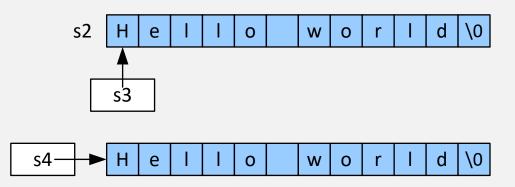


char s1[] = { 'H', 'e', 'l', 'l', 'o', ' ', 'w', 'o', 'r', 'l', 'd', '\0' }; char s2[] = "Hello world";



C-STRINGS, PART 2

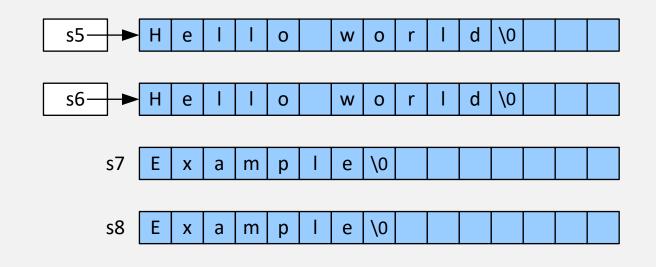
• C-Strings are often manipulated as a character pointer





C-STRINGS, PART 3

• C-Strings may be shorter than the storing array



```
char* s5 = new char[15] { 'H', 'e', 'l', 'l', 'o', ' ', 'w', 'o', 'r', 'l', 'd' };
char* s6 = new char[15] { "Hello world" };
char s7[15] = { 'E', 'x', 'a', 'm', 'p', 'l', 'e' };
char s8[15] = { "Example" };
```

UNINITIALIZED CHARACTER ARRAYS

- Possible to create a character array without initializing it
 - Not a C-string yet: no null-termination character
 - Most C-string functions will fail
 - char s9[100];

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• char* s10 = new char[100];

