C* Characters and Strings

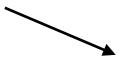
- C* characters are <u>ASCII</u>-encoded.
- C* character literals are characters in code like 'c'.
- C* strings are stored as null-terminated sequences of characters. Alternatively the end of a string could be identified by storing the number of characters at its beginning.
- C* string literals are strings in code like "this".

The difference between 'a' and "a".

ascii representation (numerical value) in memory

pointer to first word of where the string is stored





C* versus C Strings

- C* strings are arrays of unsigned 64-bit integers
- C strings are arrays of characters, that is, of type char
- For example, *"Hello World!" is equal to 0x6F57206F6C6C6548 in C* but 0x48 in C
- Note that 0x48 is ASCII for H while 0x65, 0x6C, 0x6F, 0x20, and 0x57 are ASCII for e, 1, o, space, and W, respectively.

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