



CS208

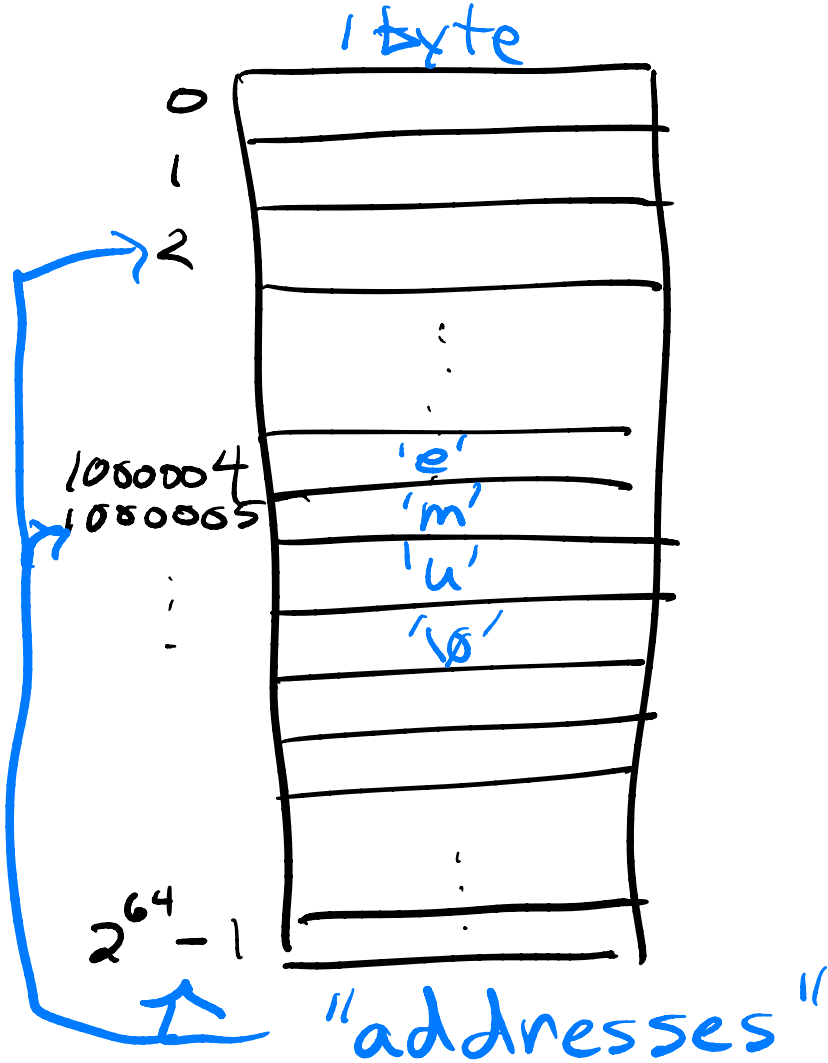
F, 9 Jan 2026

Null-terminated byte strings  
*char*

char str[8];

|     | 0   | 1   | 2   | 3    | 4 | 5 | 6 | 7 |
|-----|-----|-----|-----|------|---|---|---|---|
| str | 'e' | 'm' | 'u' | '\0' | ? | ? | ? | ? |

strcpy(str, "emu");



Memory

char str[8] = "emu";

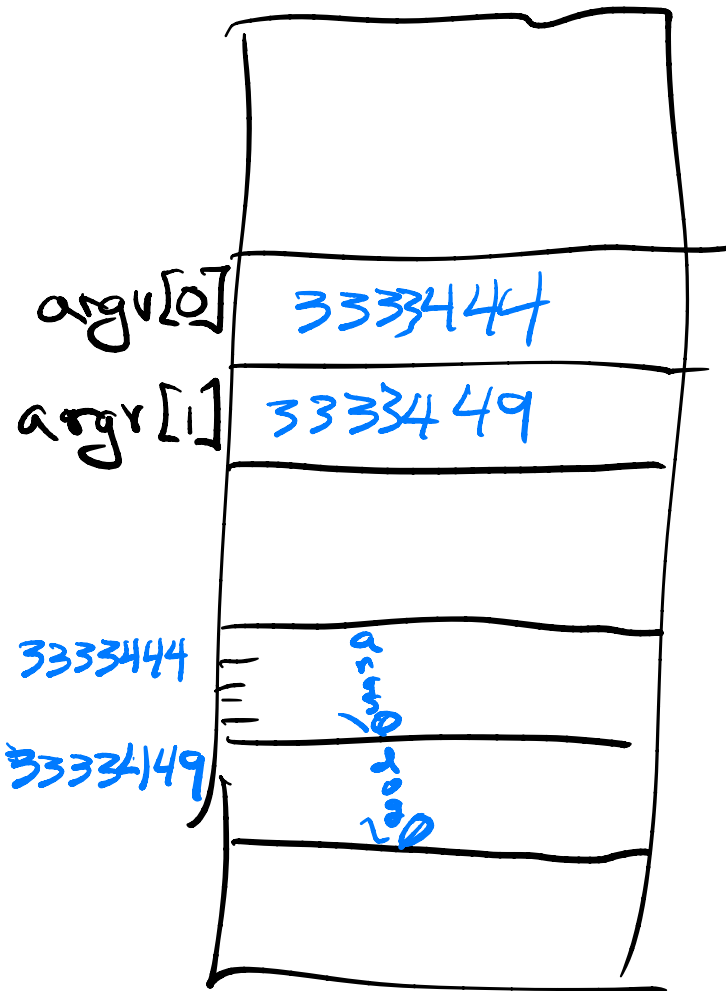
↑  
address of the  
first byte in this  
8-byte array

char \* means

"address of a char"

char \*arr[]

"an array of addresses  
pointing to chars"



`printf("%d, %s\n", 17, string1)`

format  
specifiers

format  
string

%d — expects an int

%s — expects a  
char \*

`char *string1 = ...`