

11. FUNCTION POINTERS

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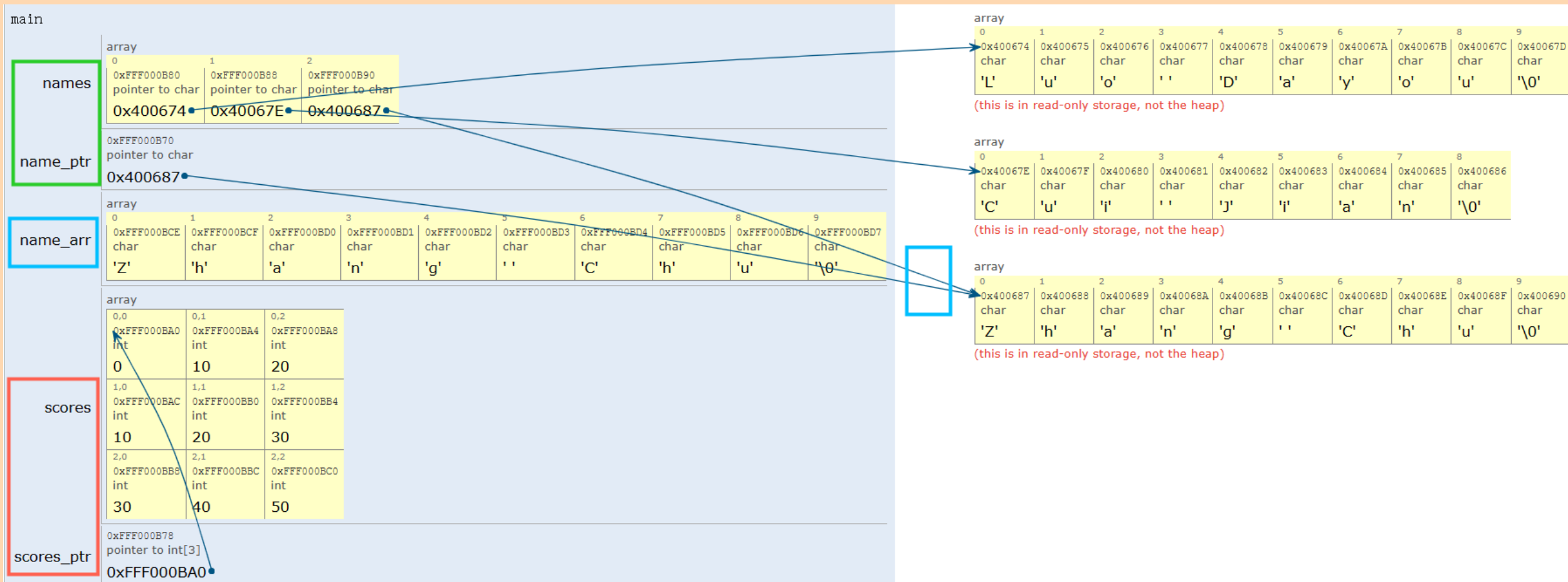


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Review

Pointer Arrays (`char *names[]`)

Pointers and 2D Arrays (`int (*scores)[]`)



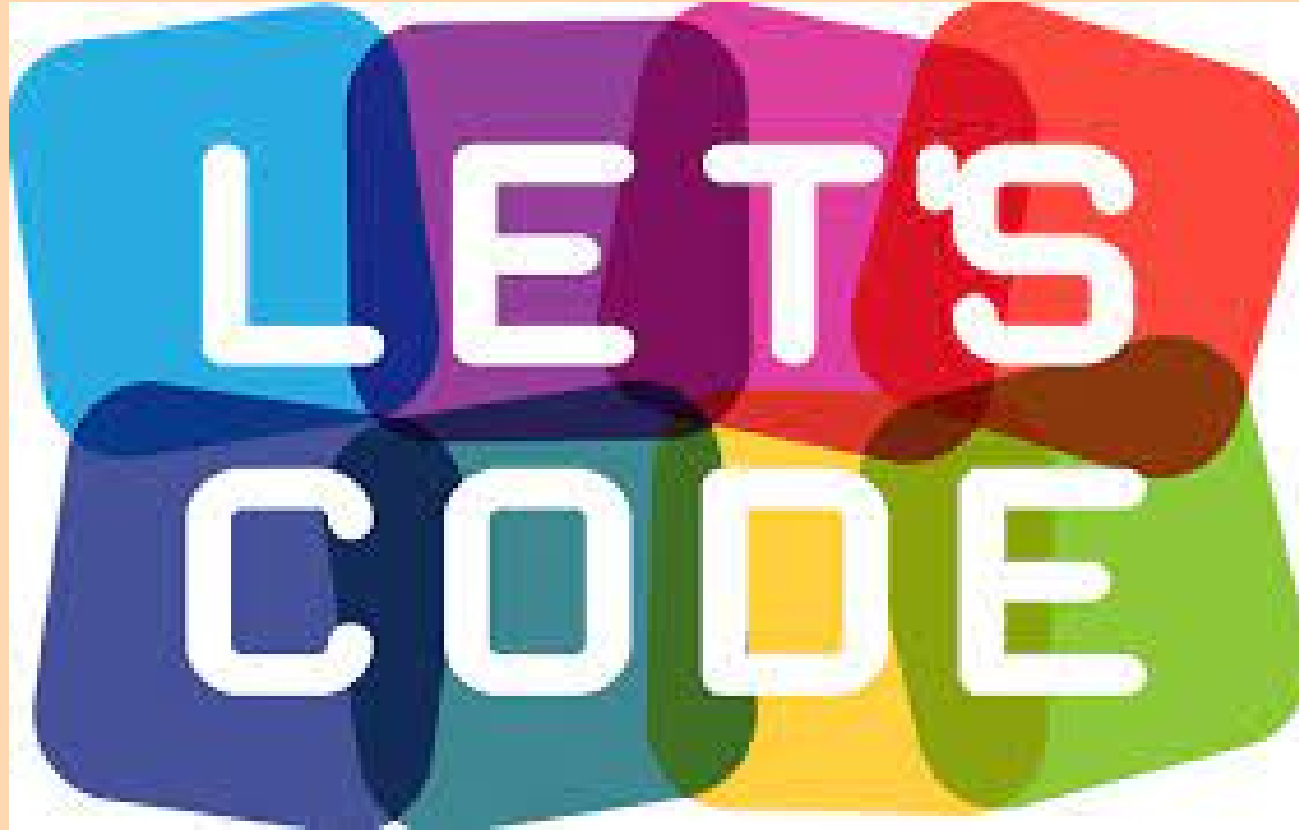
Overview

Function Pointers

Why they say...

**Functions are
first class
citizens?**

args return vals assignment in array



integrate.c

sort.c

bsearch.c

$$\int_a^b f(x) \mathrm{d}x \approx \sum_{i=0}^{n-1} f(x_i) \left(\frac{b-a}{n} \right)$$

$$a = x_0 < x_1 < \cdots < x_i < \cdots < x_{n-1} < x_n = b$$

$$x_i = a + \frac{b-a}{n} \cdot i$$

Wolfram *Mathematica*[®]





[decl.c](#)

