

# Objectives - Tue 3/5/2019

Last time: union, enum, compound initializers, history of C

- C syntax
  - anonymous structs / unions
- Test-driven development
- Testing HW08 / HW09

# C revision history (*very* abridged)

(1972)	C compiler included in UNIX
K&R C	"The C Programming Language" book was a de facto standard
<b>C89</b>	First official C standard by ANSI (American National Standards Institute)
C90	minor: formatting changes
C95	minor: unicode (e.g., 語言, 😊, etc.)
<b>C99</b>	Named initializers (e.g., Point p = {.x = 5, .y = 6}) Declare anywhere, with initialization Designated initializers: int a[10] = {[2]=100, [3] =50} Compound literals: *a_p = (Point) { .x = 5, .y = 6 } C++-style comments: // Comments Fixed-width integer types: int8_t, int16_t, uint16_t, ...
<b>C11</b>	anonymous structs and unions _Generic
C18	minor: fix bugs in standard

