Objectives - Thu 2/28/2019

- C syntax
 - union
 - enum
 - compound initializers

Collection 3 arrays (incl. strings) Struct objects many values linked 13+5 one name one value

enum

more readable alternative
to int constants
for state or mode
or type.

Union:

just like a struct but only has one of the values, not all of them.

struct Place & optional

Current architectures

The Intel x86 and also AMD64 / x86-64 series of processors use the little-endian format, and for this reason, it is also known in the industry as the "Intel convention". Recently designed instruction set architectures typically follow this convention, either allowing only little-endian mode (e.g. RISC-V, Nios II, Andes Technology NDS32, or Qualcomm Hexagon), or running mostly little-endian software on a bi-endian architecture (e.g. ARM Aarch64, C-Sky).

Some big-endian architectures that remain popular include mostly older examples like the IBM z/Architecture, Freescale ColdFire (which is Motorola 68000 seriesbased) and Atmel AVR32, but also the more recent OpenRISC. The IBM AIX and Oracle Solaris operating systems on bi-endian Power ISA and SPARC run in bigendian mode, while Linux on Power has moved to little-endian mode for new distributions.

As a consequence of its original implementation on the Intel 8080 platform, the operating system-independent FAT file system is defined to use little-endian byte ordering, even on platforms using other endiannesses natively.

Credit: https://en.wikipedia.org/wiki/Endianness