

notes day 2

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0.1 C vs C++

C	C++	Similarities
no func. overloading		
structs	Classes	
pointers	pointers & reference	

- types
- main
- functions
- name mangling (differs by compilers)

0.2 Evolution of C

- 1978: Traditional C
 - 1989: ANSI C (the main one)
 - 1995: amendments to C89
 - 1999: C standard replaces prior version
 - 2011: "new standard"

stick with ANSI C

C89: Standard C

traditional libraries

new processor commands and features

new keywords: const, etc

C99:

Complex arithmetic

booleans added

C++ style comments

improved support for floating-point type

extension to integer types, including the longer standard type

long long, long double

0.3 Simple C Program

```
include <stdio.h>
```