- int main(void)
 - o only one main function
 - o void no arguments
- curly brace { ... }
 - o group statements into blocks
 - blocks have local scope
 - scope tells us where variable exists, or is defined
 - o scope rules:
 - o each {} is a new scope
 - local variables can be defined in each scope and can have any type along with any legal name
 - if they have the same name as a variable in an outer scope, they hide that variable

- loops
 - top-test loops
 - while(statement)
 - for(arg1;arg2;arg3)
 - bottom-test loop
 - do-while
- conditionals
 - o if ()
 - else (
 - o switch statement (switch(value)) selects cases that correspond to a value
- goto jumps to a label (*labelname:*)
- commands
 - o printf()
 - function in standard library
 - % format string
- variables must be declared (specifying its type)
- scalar types char, int, float, double
- Boolean algebra
 - true and false (1 and 0)
 - o and (&&), or (||), and not/negation (!)
- break statement breaks out of loop or terminates one switch statement
- continue statement continues to the next iteration of a loop'
- short circuit evaluation allows expression to be determined ASAP
- functions provides easy way of running a series of code multiple times; need to define prototypes at beginning of file or in header files
 - o can return void, scalar values, points, and structs; cannot return arrays
 - o formal parameters used in body of function
 - o actual parameters passed to function