* When calling convention is followed, recursion works for free, has no additional overhead, avoids all the extraneous steps
* Follow calling convention templates from slides/templates online

C for Java Programmers

* Program Oriented Language
  + A language whose statements resemble terminology of the user application-oriented language rather than machine language. In other words a language in which algorithms are expressed in human terminology (math, science, business) as opposed to machine implementation terms.
* Written to be easily compiled and produce efficient, compact code
* Will NOT check for many runtime errors
  + Read the C book! Written by the people that created C, there’s a reason that C is still used 50 years later and that the book is also still used
* In many cases, Java inherited the syntax from C
  + Most of the pseudocode used in this class was given in C, but as most students are used to Java it was still easily understandable
* C is procedural, not object oriented
  + C structs are used in place of records; unions help support polymorphism
  + Pointers are used in place of object references
  + No overloading of function names; each function must have its own name
  + Limited support for complicated run-time operations; library functions are used instead