

Java versus C

Some important differences to be aware of:

- C doesn't have namespaces (e.g. Java packages) – functions are declared in the global scope, and variables can be too.
- C doesn't support overloading.
- C doesn't initialise variables for you – they could contain arbitrary data before you set them to something – *so make sure you initialise them*.
- C permits direct access to memory. This is one of its most powerful features, but is also a source of bugs and security problems (when used incorrectly).
- If you make a memory error, your program will probably crash like this (if you're lucky):

Segmentation fault