The naming convention(s) used for CoFE development have been given insufficient consideration and have been applied inconsistently thus for. I’m using this opportunity to improve thing by picking a convention. The current codebase does not obey this convention yet.

The convention is modified from the Java convention suggested by [Sun Microsystems, Inc.]( http://www.oracle.com/technetwork/java/codeconventions-135099.html https://dx.doi.org/10.2514/1.C033171)

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| Category | Naming Convention | Examples |
| Folders | Use snake\_case with all lowercase letters. | cofe\_toolbox |
| Classes | Use UpperCamelCase. Test rebuild. Class names should be nouns, in mixed case with the first letter of each internal word capitalized. Try to keep your class names simple and descriptive. Use whole words-avoid acronyms and abbreviations (unless the abbreviation is much more widely used than the long form, such as URL or HTML). | InputFile;  Beam; |
| Functions | Use lowerCamelCase. Functions should be verbs, in mixed case with the first letter lowercase, with the first letter of each internal word capitalized. | run();  runFast();  getBackground(); |
| Variables | Use lowerCamelCase. Variables including class instances (objects) should be mixed case with a lowercase first letter. Internal words start with capital letters. Variable names should not start with underscore \_. Variable names should be short yet meaningful. The choice of a variable name should be mnemonic- that is, designed to indicate to the casual observer the intent of its use. One-character variable names should be avoided except for temporary "throwaway" variables. Common names for temporary variables arei, j, k, m, and n for integers; c, d, and e for characters. | I; c; myWidth |
| Constants | The names of variables declared class constants should be all uppercase with words separated by underscores ("\_"). | MIN\_WIDTH = 4; MAX\_WIDTH = 999; GET\_THE\_CPU = 1; |