Charm++ - Feature #1584
Allow exit codes in CkExit() / CkAbort()
06/04/2017 02:17 PM - Matthias Diener

Status: New
Priority: Normal
Assignee: 
Category: 
Target version: 6.9.0

Start date: 06/04/2017
Due date: 
% Done: 0%
Estimated time: 0.00 hour
Spent time: 0.00 hour

Description
Currently, CkExit() and CkAbort() do not allow passing a custom exit code to the calling shell, making it necessary to use workarounds such as https://charm.cs.illinois.edu/gerrit/#/c/2556/ in order to inform the user. It would be nice to have this functionality. Care must be taken since
1. The method signature should not be changed. CkExit() is currently extern "C"'ed, so an optional parameter is not possible.
2. In case multiple PEs call CkExit(), which exit code is reported?

History
#1 - 06/22/2017 10:26 AM - Phil Miller
- Target version changed from 6.8.1 to 6.9.0

As a core API change, this is not going to be appropriate for a bug-fix/patch release. So, re-targeting for a future feature release.

#2 - 06/22/2017 10:34 AM - Matthias Diener
We could do something like this: https://stackoverflow.com/questions/3046889/optional-parameters-with-c-macros which would not need an API change.