

OS LAB

FREE SPACE MANAGEMENT

Implement replacements for the malloc/calloc, realloc and free system calls. Refer to Lecture 11.

- Your functions should have the same calling conventions as the original malloc, calloc, and realloc. Put them together in a static library (.a).
- One should be able to take a working program, link it to your library and run it, and it should behave normally. If you find it easier to give your functions different names, then we will do the required string replacements before compiling.
- You should preferably include a debug() or info() or similarly-named function (not provided by the standard C library). A call to this function should print information about the current state of the heap to stderr.