



UCL Department of Computer Science
CS M038/GZ06: Mobile and Cloud Computing
Spring 2016
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One-pager: Commuter (Clements *et al.*), 2013)

Due: Start of lecture, 16th March 2016

Instructions: in your own words, answer the following question as succinctly as possible (in 200–500 words total, but shorter answers within this range are encouraged). Quoting figures or text from the assigned reading or from any other source is specifically prohibited.

Using the concept of the scalable commutativity rule introduced in the Commuter paper, determine whether the interface to the `creat("filename")` UNIX/Linux system call, which creates a new file with the specified name and returns the lowest available integer file descriptor, is scalable on a multi-core architecture.