

Programming in C

Supervision 3

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All work should be submitted in PDF form 36 hours before the supervision to the email `josi2@cam.ac.uk`. If you have any questions on the course please include these at the top of the supervision work and we can talk about them in the supervision.

Please attempt all exam questions *without a compiler* at first, then once you are happy with the solution then use a compiler to check for errors.

1. <http://www.cl.cam.ac.uk/teaching/exams/pastpapers/y2015p3q2.pdf> (Part c,d)
2. What are sequence points and why would a programmer care? How could compiler writers use sequence points to increase the performance of compiled C programs?
3. What are the tree classes of program behavior not specified by the C specification? Give examples of each.
4. <https://www.cl.cam.ac.uk/teaching/exams/pastpapers/y2015p3q1.pdf> (a,b,d)
5. <https://www.cl.cam.ac.uk/teaching/exams/pastpapers/y2016p3q1.pdf> (d)
6. Read <https://blog.regehr.org/archives/1520>, and then write around 500 words summarizing this article.