Deep C - a 3 day course

"to get a deeper understanding of the language"

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Jon Jagger & Olve Maudal

This 3-day Deep C course is for those who have been programming in C for a while but would benefit from relearning the basics to get a deeper understanding of the language.

The course is based on a 2-day course, "C Foundation", developed by Jon Jagger and Olve Maudal, but in this version the idea is to relax the pace of the course and do more hands-on exercises and have more time for questions and answers. We might also skip some more advanced and esoteric topics. Target group for this version of the course is new hires from university and also engineers that are experts in other subjects and that have been writing code in C just once in a while.

We assume that the students are familiar with working in Unix like environments.

Unless noted otherwise, all the examples and text refers to the C99 standard.

Course Outline

Day 1: 09:30-17:00
01 Spirit of C
02 Brief Tour
03 Test Driven Development
04 Tools

Day 2: 09:00-17:00
05 Building blocks
06 Sequence Points
07 Control Flow
08 Arrays
09 Pointers

Day 3: 09:00-17:00
10 Preprocessor
11 Structures
12 Functions
13 Program Structure