



CleanCPP - Version: 1
01 May 2021

Clean Code Workshop



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 **2 days Course**

Description:

Most of the code we write will accompany us for years and everything we write for the first time, is a draft. If that's the case, why not make it better? Make the code clean for our future selves to fix bugs and add features without slowing down, or fearing touching it? Clean code is code that is readable, maintainable, and flexible. There are effective, proven ways to achieve it. In this 2-day workshop, we're going to discuss and practice these methods.

Intended audience:

Software developers and team leaders. The course is targeted for programmers who would like to learn new skills for writing software. Attending this workshop will introduce new techniques and ideas on how to write and review quality code.

Prerequisites:

Experience in writing code
familiarity with the C++ programming language

Objectives:

- Write Simple, Expressive Code.
- Identify and Fix Code Smells.
- Refactor Legacy Code into Clean Code.
- Use Visual Studio Refactoring Features.
- Understand and Apply SOLID (good code design) Principles .
- Organize Code in a Maintainable Way.
- Review Code Effectively.
- Understand the Principles of Test Driven Development, and their Relationship with Clean Code.

Topics:

° Clean code and Legacy Code

° Simple Design and Coding by Intention

° Naming

° Use of Comments

° Code Styles

° SOLID Design Principles

° Refactoring Principles With and Without Tests

° CodeSmell Identification and Fixing

° Principles of Effective Code Review

° TDD