

C++ Essentials: Templates

Klaus Iglberger
November, 8th, 2021

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1. Introduction

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Content

1. Introduction of the Trainer
2. Content of the Training
3. Schedule
4. Miscellaneous
5. Guidelines
6. Programming Tasks
7. Remote Trainings

Introduction of the Trainer

C++ Trainer since 2016

Author of the bl🔥ze C++ math library

(Co-)Organizer of the Munich C++ user group

Regular presenter at C++ conferences



Klaus Iglberger

Content of this Training

1. Introduction
2. C++ Templates
3. Summary/Literature

Schedule

Monday, November, 8th, 2021 (EDT time zone)

| | |
|----------------------|---|
| 12:00 - 12:10 | <i>Introduction</i> |
| 12:10 - 1:00 | <i>Understanding Function Templates</i> |
| 1:00 - 1:10 | <i>Break</i> |
| 1:10 - 2:00 | <i>Advanced Function Templates</i> |
| 2:00 - 2:10 | <i>Break</i> |
| 2:10 - 3:00 | <i>Class Templates</i> |
| 3:00 - 3:10 | <i>Break</i> |
| 3:10 - 4:00 | <i>Class Template Specialization</i> |

Miscellaneous

I assume you have some experience with C++. If something remains unclear or somewhat vague, **please ask!**

Miscellaneous

Also remember: **You are in control!**

Guidelines

(Core) Guideline: ...

The green boxes represent ...

- ... the most important take-aways;
- ... common idioms and best practice;
- ... markers in the slides.

Programming Tasks

Task (Subchapter/Name): ...

The yellow boxes represent ...

- ... hands-on programming tasks;
- ... links to the provided source code examples.

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