

C++ Essentials: Templates

Klaus Iglberger
September, 13th, 2021

C++ Essentials: Templates

1. Introduction

Klaus Iglberger
September, 13th, 2021

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, September, 13th, 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.

klaus.iglberger@gmx.de