C++ Club UK Meeting 145

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2022-03-17

Contents

Modern C++ Course from Bonn U

There is a decent Modern C++ course from Bonn University on YouTube, check it out.

Mold 1.1.1 released

Rui Ueyama released version 1.1.1 of his new fast linker mold. This version adds new LTO options for lld compatibility and reduces memory usage by ~6%, consuming less memory than GNU Gold or Clang lld.
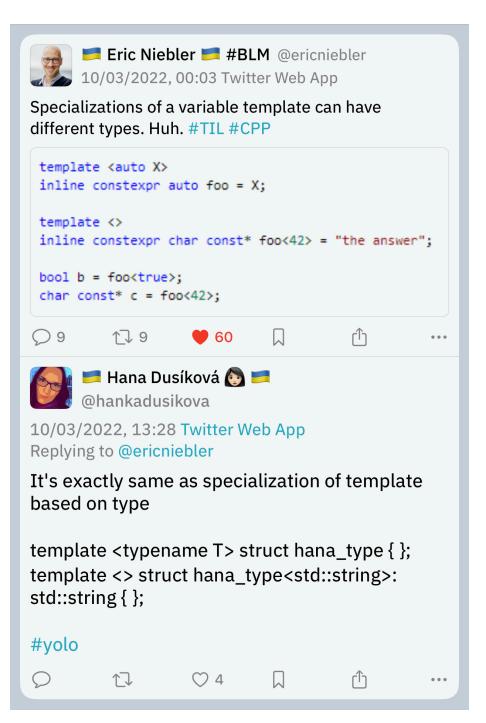
Specializations of variable templates can have different type

Eric Niebler tweets:

> Specializations of a variable template can have different types. Huh. #TIL #CPP

Hana Dusíková replies:

> It's exactly [the] same as specialization of [a] template based on type

🇺🇦 Eric Niebler 🇺🇦 #BLM @ericniebler
10/03/2022, 00:03 Twitter Web App

Specializations of a variable template can have different types. Huh. #TIL #CPP

```cpp
template <auto X>
inline constexpr auto foo = X;

template <>
inline constexpr char const* foo<42> = "the answer";

bool b = foo<true>;
char const* c = foo<42>;
```

💬 9   ⟲ 9   ❤️ 60   🔖   ⬆️   ...

🇺🇦 Hana Dusíková 👩🏻 🇺🇦
@hankadusikova

10/03/2022, 13:28 Twitter Web App
Replying to @ericniebler

It's exactly same as specialization of template based on type

template <typename T> struct hana_type { };
template <> struct hana_type<std::string>: std::string { };

#yolo

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Corentin Jabot follows up:

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One of the things that's currently bending my mind is that you can
have a template variable which is a generic lambda

```
1  template <class>
2  auto x = []<class>{};
```

Twitter

Vicki Boykis (@vboykis) tweets:

Vicki
@vboykis

25/02/2022, 16:59 via Twitter Web App

A senior developer is someone who fluently hates
more than one programming language.

💬 243   🔁 637   ❤️ 4,861