

Modern C++ Libraries

Getting Started with Debugging

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pluralsight 
hardcore developer training

To C++11 and Beyond!

- **C++ is evolving rapidly**
- **C++11 and C++14 will soon be ubiquitous**

Assertions

- Assertions document and validate assumptions

```
ASSERT(pointer);
```

```
static_assert(sizeof(float) == 4, "I can't float like that!");
```

Demo: Assertions

VERIFY

```
RECT rect;
```

```
VERIFY(GetClientRect(window, &rect));
```

```
~Owner()
```

```
{
```

```
    VERIFY(CloseHandle(handle));
```

```
}
```

Demo: VERIFY

TRACE

printf

OutputDebugString

Event Tracing

Demo: TRACE

Summary

- Make sure you can debug your code!
- ASSERT & static_assert
- VERIFY
- TRACE