



attribute support	potential pitfalls, 91–92
description of, 12–14	use cases, 89–91
potential pitfalls with, 18–19	[[noreturn]] attribute, 13
use cases, 14–18	description of, 95
binary literals	further reading for, 98
description of, 142–143	potential pitfalls, 97–98
further reading for, 146	use cases, 95–97
use cases, 144–146	nullptr keyword
consecutive right-angle brackets (>>)	description of, 99–100
description of, 21	further reading for, 103
further reading for, 24	use cases, 100–103
potential pitfalls with, 22–24	override member-function specifier, 5
use cases, 22	description of, 104–105
decltype	further reading for, 107
description of, 25–26	potential pitfalls, 106
potential pitfalls, 30	use cases, 105–106
use cases, 26–30	raw string literals
defaulted functions	description of, 108–111
annoyances, 42–43	potential pitfalls, 112–114
description of, 33–36	use cases, 111–112
further reading for, 44	static_assert
implicit generation of special member	annoyances, 123
functions, 44–45	description of, 115–118
potential pitfalls, 41–42	further reading for, 123
use cases, 36–41	potential pitfalls, 120–122
definition of, 5	use cases, 118–119
delegating constructors	thread-safe function-scope static variables
description of, 46–48	annoyances, 80
potential pitfalls, 50– 51	C++03 double-checked-lock pattern, 81-
use cases, 48–50	82
deleted functions	description of, 68–71
annoyances, 58–59	further reading for, 81
description of, 53	potential pitfalls, 75–80
further reading for, 60	use cases, 71–75
use cases, 53–57	trailing return, 28
[[deprecated]] attribute, 14	description of, 124–126
description of, 147–148	further reading for, 128
potential pitfalls, 150	inferring type of, 28
use cases, 148–150	use cases, 126–128
digit separator (')	type/template aliases, creating with using
description of, 152–153	declarations, 133–137
further reading for, 154	variable templates
loss of precision in floating-point literals,	annoyances, 165
154–156	description of, 157–160
use cases, 153	potential pitfalls, 163–165
explicit conversion operators	use cases, 160–163
description of, 61–63	safe-bool idiom, 64
potential pitfalls, 66–67	safety of adoption, 2, 4–5. See also conditionally
use cases, 63–65	safe features; safe features; unsafe fea-
local/unnamed types	tures
description of, 83–84	salient values, 634, 830-832
use cases, 84–87	sanitizers, 802
long long integral type	scalar types, 1207
description of, 89	aggregate initialization, 222
further reading for, 92	braced lists and, 254–255