

Index

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