C++ Data Types

Integer Types
- short   (2 bytes)
- int   (4 bytes)
- long   (8 bytes)
- long long   (8 bytes)

Unsigned Types
- unsigned short   (2 bytes)
- unsigned int   (4 bytes)
- unsigned long   (8 bytes)
- unsigned long long (8 bytes)

Character Types
- char   (1 byte)
- signed char   (1 byte)
- unsigned char   (1 byte)
- char16_t   (2 bytes)
- char32_t   (4 bytes)
- wchar_t   (2 or 4 bytes)

Floating Point Types
- float   (4 bytes)
- double   (8 bytes)
- long double   (16 bytes)

Boolean Type
- bool   (1 byte)

Void Type
- void   (no size, used for functions with no return)