

Converting Strings to Numbers Exercises

Converting Between Numbers and Strings

- C++ already has many ways to convert between strings and numbers.
Explain briefly why it needs another one

from_chars()

- Write a simple program which uses `from_chars()` to convert an integer stored as an `std::string` to the same number stored as an `int`

from_chars() with Optional Argument

- Modify your solution to the previous exercise to use base 16 for the conversion
- Write another program which converts a floating-point number stored as a string to the same number stored as a double

from_chars()

Return Type

- Modify your solution so that it handles conversion errors
- Check your program works correctly when
 - The std::string represents a valid integer
 - The std::string represents a partially valid (corrupted) integer
 - The std::string does not represent an integer