

# Converting between Strings and Numbers Exercises

# Converting between strings and numbers

- Write a simple program which uses `std::to_string()` to convert a number to an `std::string` object whose data contains the number

# Converting Strings to Integers

- Write a simple program which uses `std::stoi()` to convert the data in an `std::string` object to an `int`
- What happens if there are characters in the string which are not digits?
- Write a simple program to illustrate your answer

# Error Handling

- How can we detect conversion errors with `std::stoi`?
- Write a simple program to illustrate your answer

# Base Conversion

- What base is used by `std::stoi` for conversion?
- Is it possible to change this?

# Converting Strings to Floating-point

- Is it possible to convert the data in an `std::string` object to floating-point?
- Write a simple program to illustrate your answer