

# Conversion Functions

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The standard library has several functions, in the `<string>` header, that will convert a C++ `string` to a number (much like the C++11 `to_string()` function will convert a number to a `string`.)

- the `stoi(string)` function returns an `int`
- the `stod(string)` function returns a `double`
- There are also `stof()`, `stol()`, `stoul()` and `stold()` for the types `float`, `long`, `unsigned long` and `long double` respectively.

These functions **don't appear** in C++ 98. If your employer is using an older version of C++, and doesn't want to change to a later version, for a wide (and reasonable) variety of reasons. What can you do? Implement them yourself, of course.

*This is not a made-up scenario; we are learning about the latest version of C++ here in CS 150, but in the real world, you'll need to be prepared for older versions.*



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