

Miscellaneous Container Operations Exercises

Container Constructors

- Using the new type deduction feature in C++17, write down definitions for
 - An initialized `std::vector`
 - An initialized `std::map`
- Write down the equivalents in C++14

Non-member functions in C++17

- Write a simple program which uses C++17's non-member versions of `data()`, `empty()` and `size()` with objects of
 - `std::vector`
 - `std::map`
- Why does `data()` not compile for `std::map`?

Return value from `emplace_back/front()`

- Write a simple program which calls `emplace_back`
- Use the returned value to print out the value of the new element