# Miscellaneous Container Operations Solutions

# 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?
  - std::map does not support data extraction

# 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