

Constructors and Argument Deduction Exercises

make_pair()

- Explain why functions like make_pair() were added to C++

Constructor Argument Deduction in C++17

- Without using explicit template parameters or calling functions like `make_pair()`
- Write a simple program that creates objects of the following classes
 - `std::pair<int, double>`
 - `std::tuple<int, double, std::string>`
 - `std::vector<int>`
- Check that your code compiles

Class Template Argument Deduction

- Explain why `make_pair()` is redundant in C++17

Nested Constructor Deduction

- Without using explicit template parameters
- Write a simple program that creates objects of the following classes
 - `std::vector<int>`
 - `std::vector<std::vector<int>>`
- Check that your code compiles