Notes part 5

C++20 Recipes. Ch. 2. Initialization & Auto
• Uniform initialization (p. 27-32)
• Avoid auto when possible
• Using T-type as parameter:

```
template <typename T>
concept CustomType = std::is_class_v<T>;
template <CustomType T>
void processCustomType(const T& value) { … }
```

Professional C++. Ch. 2. Working with Strings and String Views
• use "John"s instead of "John" for string literals, where it is ambiguous
• Follow up later: string_view (p. 100-102)
• Formatting (p. 103-109)

Professional C++. Ch. 3. Coding with Style
• Nice for reference

Exploring C++20. Ch. 28. Documentation
• *Doxygen* can generate *CHM and PDF documentation* directly from inline comments starting with:
  – /// or //!
  – /** or /*!
• *Doxywizard* create configuration file for documentation generation
• Doxygen+*Dox2word* to create Word documents for editing and publishing as PDF
• Nice for reference

Professional C++. Ch. 4. Designing Professional C++ Programs
• Proper design saves time in the long run
• Abstraction and reuse (p. 142-150)
• Performance (p. 150-153)