

## Notes part 6

### 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)

### Modern C++. Ch. 2. Working with Numbers and strings

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### 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)