Modern C++ Course

Gammasoft71

Outline

1. Introduction

2. Language Basics

3. Object Oriented Programming (OOP)

4. Core Modern C++

5. Modern C++ Expert

6. Advanced Programming

Outline

1. Introduction

2. Language Basics

3. Object Oriented Programming (OOP)

4. Core Modern C++

5. Modern C++ Expert

6. Advanced Programming

Introduction

- What this cours is?

- History

- Wy using C++?

- References

- C++ development tools

Introduction

- What this cours is?

- History

- Wy using C++?

- References

- C++ development tools

What this course is?

- This course aimed at inexperienced developers as well as experienced developers with no knowledge of C++.

- This course covers concepts from C++98 to C++26, while keeping modern C++ in mind.

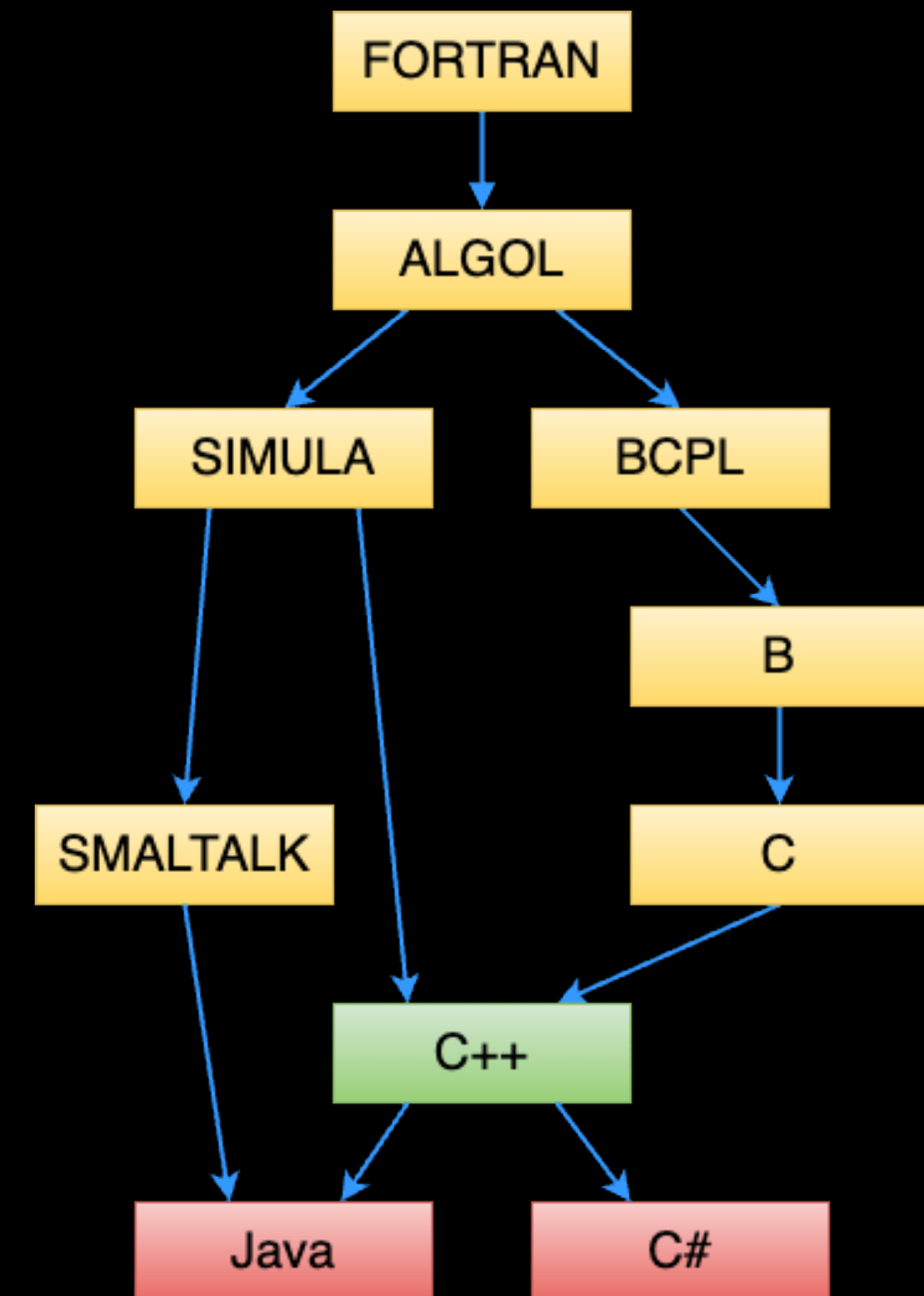- The corresponding C++ version is indicated for each concept and feature.

Introduction

- What this cours is?

- History

- Wy using C++?

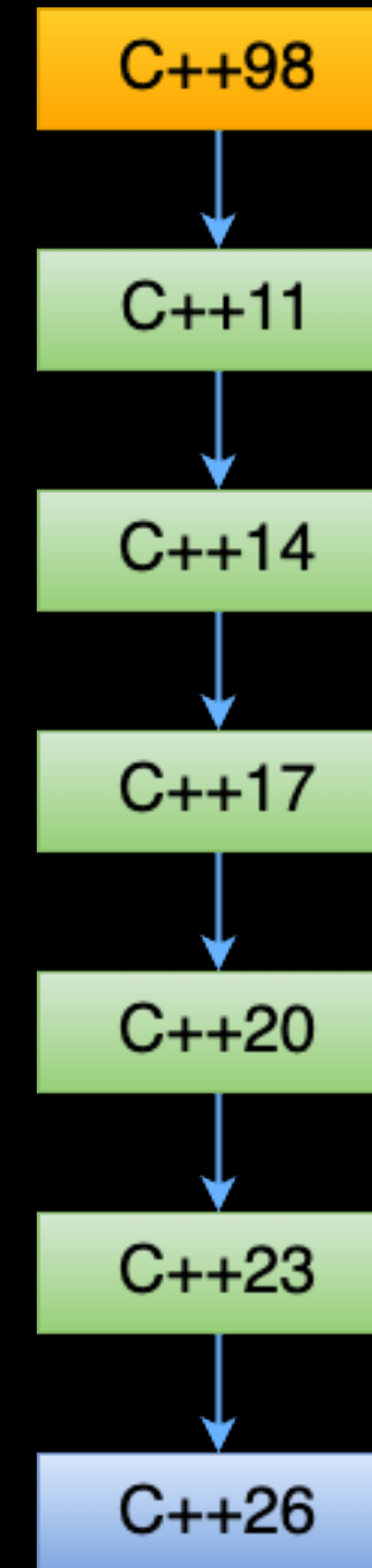- References

- C++ development tools

History

- In 1979, Bjarne Stroustrup began work on "**C with Classes**", the predecessor to "C++".

- In 1982, Stroustrup started to develop a successor to "C with Classes", which he named "C++".

- In 1985, the first edition of The C++ Programming Language was released

- In 1998, C++98 was released, standardizing the language

History

```
┌─────────────┐
│   C++98     │
└─────────────┘
       │
       ▼
┌─────────────┐
│   C++11     │
└─────────────┘
       │
       ▼
┌─────────────┐
│   C++14     │
└─────────────┘
       │
       ▼
┌─────────────┐
│   C++17     │
└─────────────┘
       │
       ▼
┌─────────────┐
│   C++20     │
└─────────────┘
       │
       ▼
┌─────────────┐
│   C++23     │
└─────────────┘
       │
       ▼
┌─────────────┐
│   C++26     │
└─────────────┘
```

Introduction

- What this cours is?

- History

- Wy using C++?

- References

- C++ development tools

Why using C++?

Introduction

- What this cours is?

- History

- Wy using C++?

- References

- C++ development tools

References

Introduction

- What this cours is?

- History

- Wy using C++?

- References

- C++ development tools

C++ development tools

End of Introduction