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Learning Style: On Demand

Technology:

Difficulty: Beginner

Course Duration: 3 Hours

C++ 11: Fundamentals



About this course:

C++ is one of the most in demand programming languages in the software industry, and the language that many others derive from – Java being just one. Being somewhat more complex than others, it's not easy to find a C++ tutorial for beginners. However, if you want to boost your employability and fine tune your

programming skillset to include C++ fundamentals, then this is the course for you.

The average salary for C++ Developer is **\$115,284** per year.

Course Objective:

- Comprehend basic programming topics
- Write basic C++ programs
- Apply control structures

Audience:

- This course is intended for anyone planning to pursue a serious career or job in computer programming.
- This is a complex language and is not suited for someone who plan to learn their first programming language.

Prerequisite:

- Students should understand the basics of how a PC functions in terms of software and hardware, and should have prior experience with basic programming.

Suggested prerequisite course:

- [C++ for Beginners](#)

Course Outline:

Chapter 01 - Getting Started

- Topic A: Introduction - Part 1
- Introduction - Part 2
- Introduction - Part 3
- Topic B: Starter Examples - Part 1
- Starter Examples - Part 2
- Starter Examples - Part 3
- Topic C: Learning C++ Concepts - Part 1
- Learning C++ Concepts - Part 2
- Learning C++ Concepts - Part 3
- Topic D: Comments and Variables - Part 1
- Comments and Variables - Part 2
- Comments and Variables - Part 3

Chapter 02 - Syntax Fundamentals

- Topic A: Data Types and Inference - Part 1
- Data Types and Inference - Part 2
- Data Types and Inference - Part 3

- Topic B: Sizeof and IEEE 754 - Part 1
- Sizeof and IEEE 754 - Part 2
- Sizeof and IEEE 754 - Part 3
- Topic C: Constants, L and R Values - Part 1
- Constants, L and R Values - Part 2
- Constants, L and R Values - Part 3
- Topic D: Operators and Precedence - Part 1
- Operators and Precedence - Part 2
- Operators and Precedence - Part 3
- Topic E: Literals - Part 1
- Literals - Part 2
- Literals - Part 3