Week 1: C++ Part 1

Time

This lesson should take **approximately 6-8 hours** of dedicated time to complete, with its videos and assignments.

Lessons

The activities for this lesson are listed below (with required assignments in bold italics):

Activity	Estimated Time
Lesson 1 Lecture Videos	25 minutes
Lesson 1 Readings	1 hour and 20 minutes
Week 1 Graded Quiz	30 minutes
Week 1 Challenge Problem	1 hour

(Depending on how much time you spend setting up your programming environment in Week 1, Week 2 may take more or less time accordingly. So the amount of time you spend between the Week 1 readings and the Week 2 programming assignment might vary.)

Key Concepts

- C++ language syntax
- Writing, compiling and debugging code
- Interactive development environment (IDE)
- C++ classes
- Implementation v. header files
- Public v. private elements of a class