# Framework/Design

## Paradigms

* Object-Oriented
* Functional
* Procedural

## Syntax

Streams

Lambda Functions

List Comprehension

Loops

Conditionals

Data Structures

# Libraries

File I/O

Database Technologies

?

SDLC [SDLC: Phases & Models of Software Development Life Cycle (guru99.com)](https://www.guru99.com/software-development-life-cycle-tutorial.html)

[Java Tree Data Structure - Java Code Gists (javagists.com)](https://www.javagists.com/java-tree-data-structure)

[parsing - How can I read and parse CSV files in C++? - Stack Overflow](https://stackoverflow.com/questions/1120140/how-can-i-read-and-parse-csv-files-in-c)

[C++ Class and Object with Example (guru99.com)](https://www.guru99.com/cpp-classes-objects.html#:~:text=Summary%3A%201%20C%2B%2B%20is%20object-oriented.%202%20Classes%20form,are%20known%20as%20class%20members.%20More%20items...%20)

[cppreference.com](https://en.cppreference.com/w/)

[C++ File Handling: How to Open, Write, Read, Close Files in C++ (guru99.com)](https://www.guru99.com/cpp-file-read-write-open.html#6)

[Char to String C++ (stechies.com)](https://www.stechies.com/convert-char-string/#:~:text=1%29%20Convert%20Char%20to%20a%20string%20in%20C%2B%2B,on%20every%20iteration%206%20Display%20the%20string%20variable)

[Makefiles overview]( [Makefile Primer | Lecture Notes | Foundations of Software Engineering | Civil and Environmental Engineering | MIT OpenCourseWare](https://ocw.mit.edu/courses/civil-and-environmental-engineering/1-124j-foundations-of-software-engineering-fall-2000/lecture-notes/makefile_primer/))

Unit test frameworks... [google/googletest: GoogleTest - Google Testing and Mocking Framework (github.com)](https://github.com/google/googletest)

[Googletest Primer | GoogleTest](https://google.github.io/googletest/primer.html)

Mock frameworks for all lanugages

Common algorithms such as prime numbers

[How to list the Files in a Directory in C++ | Martin Broadhurst](http://www.martinbroadhurst.com/list-the-files-in-a-directory-in-c.html)

IDEs Kdevelop, Eclipse