C++ Language Syllabus
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What is C++?
♣ Execution of C Program
♣ History
♣ Structure of C Program
Variables and Keywords:
♣ Character Set
♣ Identifier
♣ Variable
♣ Keywords
♣ Escape Sequence Characters
Constants:
♣ Real Constant
♣ Integer Constant
♣ Character Constant
♣ String Constant
Data Types:
♣ Data Types
♣ Qualifier
♣ Enum
♣ Typedef
Operators:
♣ Assignment Operator
♣ Arithmetic Operators
♣ Logical Operators
♣ Relational Operators
♣ Shorthand Operators
♣ Unary Operators
♣ Conditional / Ternary Operator
♣ Biwise Operators
♣ Operator Precedence and Associativity
♣ If Statement
♣ If-Else Statement
♣ Nested If-Else
♣ Switch Case
Looping Statements
♣ Looping / Iterative Statements
♣ while
♣ do while

- ♣ for loop
- ♣ Break Statement
- ♣ Continue Statement
- ♣ Goto

Functions:
- ♣ Function call by passing value
- ♣ Function call by returning value
- ♣ Function call by passing and returning value
- ♣ Recursion

Storage Classes:
- ♣ Storage Classes
- ♣ Automatic Storage Class (auto)
- ♣ Register Storage Class (register)
- ♣ Static Storage Class (static)
- ♣ External Storage Class (extern)

Array:
- ♣ Array
- ♣ Single / One Dimensional Array
- ♣ Two Dimensional Array

Structure:
- ♣ Structure
- ♣ Array in Structures
- ♣ Structure with Array
- ♣ Difference between array and structure

Pointer

Union:
- ♣ Union
- ♣ Difference between structure and union
- ♣ Strings
- ♣ File Handling

Header Files:
- ♣ Header File
- ♣ Assert.h
- ♣ Ctype.h
- ♣ Math.h
- ♣ Process.h
- ♣ String.h
- ♣ Time.h

Programs Library:

Projects Library: