C

* History of C
* Installation of C ide’s
* Structure of C
* Statements and Blocks
* Keywords
* Variables
  + Rules
  + Ex
  + Assessment
* Data Types
  + Ranges
  + Syntax and useage
* Constants
* Inputs and Outputs
  + Different ways of using them
* Arithmetic expressions
  + Add
  + Sub
  + Mul
  + Div
  + Mod
  + Short hand
  + Increment
  + Decrement
  + Priority of operations
* Logical operations
  + AND
  + OR
  + NOT
  + Priority of operations
* Type Conversions
* Assignment operation
* Bitwise operation
* Conditional expression in C
* Simple if
* If –else
* Else if
* Switch
* For loop
* Do while
* While
* Break
* Continue
* Labels
* Goto
* Basic of functions
* Function return type
* Parameters
* External variables
* Scope
* Call by value
* Call by reference
* Recursion
* Arrays
  + Sizes
  + Looping
* Strings
* Pointers
* Pointers and addresses
* Pointers and function arguments
* Pointers and arrays
* Multi dimensional arrays
* Pointers with mulit-D arrays
* Command line arguments
* Structures
* Structures and functions
* Array of structures
* Pointer and Structures
* Unions
* Files and access and writing

1. Linked list
2. Double Linked list
3. Stack
4. Queue
5. Linked stack
6. Linked queue
7. Graph
8. Tree

C++

* Class
* Object
* Abstraction
* Encapsulation
* Inheritance
* Overloading and Overriding
* Exception Handling