

..... C Language Time Duration

Topics	Total Lecture Required
Introduction – Day 1	1 Lecture
Data Types- Day 2	1 Lecture
Operators Binary Operators- Day 3 Unary and Ternary – Day 4 Order Evaluation, Type Casting – Day 5 Formatted, unformatted, specifiers, escape sequence – Day 6	4 Lectures
Conditional Statements If, if-else, nested if-else -> Day 7 Else-if ladder, switch case-> Day 8 Jump Statement-> Day 9 Practice and doubt session-> Day 10	4 Lectures
Iterative Statements For-loop, while, do-while - Day 11 Practice and doubt Session- Day 12&13	3 Lectures
Arrays Intro, need, 1D array- Day 14 Practice 1D Array – Day 15 Multi-Dimensional – Day 16 Practice- Day 17	4 Lectures
String Declaration, Initializing Strings – Day 18 String functions, Multiple Strings- Day 19	2 Lectures
Functions Intro, need, classification, function prototype, Function Definition, Function Calling, Examples - Day 20 Calling Function(By value ,By reference), 4 types of user-defined function- Day 21 Function with arrays and function with string – Day 22 Recursive Function - Day 23	4 Lectures
Storage Class Automatic, Extern, Static, Register- Day 24	1 Lecture
Structure, Union Intro, Declaration, Initialization, Examples - Day 25 Structures with Functions, Nested Structures – Day 26 Introduction Union, structure vs Union – Day 27 Enumeration, Typedef- Day 28	4 Lectures

Pointers Intro to memory, intro to pointers, declaration and operations- Day 29 Pointer to pointer, Arrays and Pointers, Call by value & call by reference – Day 30 Passing and returning pointers to functions, Pointers and Structures- Day 31 Self-Referential Structures, practice and doubt session- Day 32	4 Lectures
Dynamic Memory allocation Malloc, Calloc, Realloc, free- Day 33 Practice and doubt- Day 34	2 Lectures
Files Intro, File I/O Operations – Day 35 Sequential Files, Random Access Files- Day 36 Command Line Arguments, Database vs Filesystems – Day 37	3 Lectures

Note: if student have any doubt, then we provide additional 1-2 doubt session. Our main motive is to make you Hero in C Language.

Prerequisite.

- ❖ Your Hardwork and dedication is required
- ❖ A Desktop/laptop
- ❖ Basic English

