

Advanced C Programming & Data Structures for Beginners in 12Hrs

How difficult is C Programming?

The Beauty of C is its simple, straight in its syntax, close to hardware. When I have completed my grad it took me around 2moths to learn it from an instructor who taught it very badly, the problem with learning C comes not with the learners but the teachers, so I thought why not teach this powerful language in a faster and simple way

Carrier Opportunities

Believe me just after my graduation I have only C programming as my key skill in my CV which has brought me enormous opportunities, many of the industry HRs feel that we need only people who can adapt things after they join the company, they need to have logical ability and a programming expertise with a simple language like C, just C not even C++, I did the same to get in to an MNC

Teaching Strategy

Each Chapter will have slides explaining detailed to you about the concept and some working examples and todo examples which would test your coding skills and logical ability and also make you prepare for interviews, the teaching is completely online through team viewer.

Pre-requisites

As C is better taught on an command line nice if you install a Virtual machine with Linux on it, which would help you a lot

Hour Map

Note: A Hour doesn't exactly mean a hour it will extend based on the candidates interest but the price will be charged only for 1 hour, its up to the student to utilize the Faculty to full extent

Hour 1:

Approach toward programming setting up the eco system required for C Programming.

Hour 2:

Hello World!
Keywords
Format specifics
Numbers System
Bit Wise Operations

Hour 3:

Control Statements
Conditional
Unconditional
Loops

Hour 4:

Intro to pointers
Pointer Arithmetic
Playing with Pointers

Hour 5:

Arrays
Multi Dimensional
Array with Pointers
Playing with Arrays

Hour 6:

Functions & Compilation Phases
Parameters
Recursive
Non-Recursive
Phases of Compilations using GCC

Hour 7:

Storage Classes & Memory allocation
Scope of different Classes
A complete Memory Outlav

Hour8:

Structures & Unions
Array of structures
Memory layout
Padding

Hour9:

Files & File Operations
Read, Write, etc
Permissions
Copy, Parse, Analyse

Hour10:

Linked Lists
Single, Doubly, Circular
Insertion, Deletion

Hour 11:

Sorting Techniques
Selection, Insertion, Merge, Heap,
Bucket, Radix, Bubble.

Hour 12:

Q & A, Puzzles, Feedback and career counseling



Me?! : I am Shyam Daram, completed my B. Tech from JNTU Hyderabad, after grad I started my carrier as an Firmware Engineer in the Dept of embedded systems in a Industry renown company, it has been 3 years in my journey so far, besides working in my daily routine, I find it very interesting to teach/share my experiences/ excavations with the technology I am exposed to.

Fee: ₹500 / Hour (highly flexible ☺)

Mode of Teaching: As I am working professional i will be available for teaching only for **Weekends**, in which i can spare my valuable time for teaching you and solving your doubts.