

C Programming & Data Structures



Madhuri

Instructor & Placement coordinator

Content

- C Programming Basics
- C Programming Advanced
- Data Structures



Content

- This structure covers all the required topics as per the pre-requisites, required for Embedded Linux Device Driver developer course.
- This structure is made keeping the expectations for any Embedded Engineering Development position.
- This course enables any candidate to be able to learn C Programming with zero prior knowledge.
- At the same time gives them the capability to learn any new topics or new languages by themselves.
- We keep upgrading this and add any necessary topics if required depending on the ongoing requirements.

C Programming Basics Content

Introduction to Programming Languages
Introduction to C Programming Language
C Program structure, compilation instructions
Data types , Variables ,Input and Output
Operators , Precedence & Associativity
Conditional statements (if, else & switch)
Loop Statements (while, for, do while)
Jump statements (break, continue, goto)
Functions
Single Dimentional Arrays
Strings & string library
Pointers & call by Reference
Pre-Processor Directives

C Programming Advanced Content

Pointers - Arithmetic
Void pointer , Dynamic Memory Allocation
Wild pointer, Dangling pointer, Memory leak
Multi dimensional arrays
Strings advanced & character pointer applications
Array of pointers, set of strings, Command line arguments
Double & triple pointers & their applications
Function Recursion
File Handling
Structures & structure Padding & Self referential structure
Unions, Enumerations, Bitfields
Applications of Volatile & const keywords

Data Structures with C Programming Content

Single Linked List

Double Linked List

Stacks

Queues

Solving some frequently asked questions

Contact Us

CTO:

Mr.B. Kishore Kumar,
Ph: 9963111083,
email: kishore@kernelmasters.org

Placement Coordinator :

Ms.B.Madhuri,
Ph: 9963111084,
Email: madhuri@kernelmasters.org

Address:

LIG-420, KPHB Phase 7, Near Hitech city MMTS station,Hyderabad – 500085.

Website: www.kernelmasters.org

Ph: 9949062828

