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C Language Course

Introduction Of C

- What is C?
- History of C
- Feature Of C Language
- What is Variable and Define Rules
- Data Type Discussion and 'C' Constants
- Difference Between POP And OOP
- Importance of C Language In Software Development

Basic C

- Structure of a C Program
- Understanding of Library
- Keyword, Identifiers & Constants
- Define Variable With Data Types

C Language Course

Operator

- Arithmetic Operators
- Binary Operators
- Ternary Operators
- Logical Operators
- Relational Operators
- Comparison Operator
- Logical Operators
- Assignment Operators
- Increment & Decrement operators
- Conditional Operators

Decision Making Statement

- Decision Control Structure
- If..Else
- Nested if
- If..Elseif..Else ladder
- Goto Statement With Label
 - Break and Continue Statement
 - Switch..Case statement

C Language Course

Loop Control Structure

- While
- For
- Do..While
- Nested Loop Statements

Arrays

- Introduction Of Arrays
- Use Of Array
- Types Of Arrays
- Passing Array to a Function
- Define One Dimensional Arrays
- Define Two Dimensional Arrays
- Multi Dimensional Arrays
- Array Programs

C Language Course

String Manipulation

- Declaring String
- Initializing String
- String Custom Functions
- String Formatted Specifies
- Passing String to Function
- Multiple Strings

Input & Output

- The Standard Files
- Getchar() and Puchar Functions
- Gets() and Puts Functions

C Language Course

Functions

- Introduction to Functions
- Need for Functions
- Functions (Passing Parameters)
- Functions (Returning Value)
- Classification of Functions
- Function Prototype
- Defining Function
- Calling Function
- Function with Arrays
- Function with Strings
- Recursive Functions

Structures, unions, enum

- Introduction to structures
- Declaring a Structure
- Introduction to Structures

C Language Course

Structures, unions, enum (continue...)

- Structures with Arrays
- Structures with Function
- Nested Structures
- Passing Structure to Function
- Structure to Pointer
- Passing Array of Structures to Function
- Introduction to Union
- Declaring Union
- Difference between Structures and Unions

Type Casting

- What is Type Casting?
- How to Convert From One Data Type To Another Data Type
- Integer Promotion
- Usual Arithmetic Conversion

C Language Course

Pointers

- Introduction to Memory
- Introduction to Pointers
- Operations on Pointers
- Pointer to Pointer
- Pointer to Array
- Array to Pointers
- Void pointers
- Call By Reference Functions
- Call by Value
- Passing Pointers to Functions
- Functions returning Pointers
- Pointer to Functions
- Passing Array to Function using Pointers
- Passing String to Function using Pointers
- Dynamic Functions Call with Function Pointer
- Pointers with Structures

C Language Course

Files Handling

- Introduction
- File Input, Output Operations
- Sequential Files
- Read and Write Content
- Display Contents of File on Console
- Writing String Received From Keyboard to File
- Random Access Files
- Command Line Arguments
- Handling Errors
- Database vs File System

Error Handling

- Define Error Type
- Errno, perror(),and strerror()
- Divide by Zero Errors
- Program Exit Status

C Language Course

Dynamic Memory Allocation

- Allocation (Malloc, Calloc & Realloc)
- De – Allocation (Free)

Exam

- Exam Arrange After Completion Course

Interview Preparation

- Interview Preparation

**Provide
By Us**

- ➔ Assignment
- ➔ Lecture Notes