

Complete C Programming course

Installation setup guide

How to install code blocks

How to use code blocks for C language

Begin Course

Introduction to C Language Part

Identifiers in C Language

1. Constant
2. Variable
3. Keywords

Types of Instruction

1. Data Type Declaration Instruction in C
2. Input Output Instruction in C
3. Arithmetic Instruction in C
4. Control Instruction

How to use gotoxy in code blocks

What are ASCII codes?

Operator Groups

1. Unary Operator
2. Arithmetic Operators
3. Bitwise Operators
4. Relational Operators
5. Logical Operator
6. Conditional Operator
7. Assignment Operator

Decision Control instruction C

- ✓ If
- ✓ If-else
- ✓ Conditional Operator(?:)
- ✓ Nested if else in C language
- ✓ if else ladder in C language

Loops in C

- ✓ While
- ✓ do while
- ✓ for

Break/Continue

Switch case in C

Functions in C

- ✓ Types of functions
- ✓ Recursion in C

Arrays in C

- ✓ Two Dimensional Arrays in C
- ✓ When to use an array

Strings in C

Pointers in C

Application of Pointers in C

User Defined Data Types in C

- ✓ Structure
- ✓ union
- ✓ Enumerators

Dynamic Memory Allocation in C Language

- malloc()
- calloc()
- realloc()
- free()

typedef in C language

Preprocessor Command in C

File Handling

- ✓ Writing in a file
- ✓ File Opening Modes
- ✓ Reading from a file
- ✓ Reading from file using fgets
- ✓ Writing in a file using fputs
- ✓ Writing file using fwrite
- ✓ Reading from a file using fread

Storage classes in C

- ✓ Automatic
- ✓ Register
- ✓ Static
- ✓ External

Command Line Arguments in C

Programming Skill development Tips

- What is dry run?
- Find Output of C program | Dry Run Example

Data-Structure:

- Searching
 - Linear-Search
 - Binary-Search
- Sorting
 - Bubble-Sort
 - Insertion-Sort
 - Selection-Sort

We cover the full syllabus of **B.Tech** and **BCA** students.

Online MCQ practice **test papers** are provided to students.

All C programming **Notes** will be provided in PDF.

All C **Programs** discussed in class and assignment provided to student in text file.

Note : 15 years of IT industry and teaching experience.