



# Programming Language C

Ideal Computer Institute of Technology

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# Chapter 1: Getting started with C

- Introduction
- History
- Features of C
- Steps to learning C
- Character Set
- Constants
- Variables
- Keywords
- Identifiers
- Instructions
- Programs

# Chapter 2: Operators

- Introduction
- Assignment
- Arithmetic
- Relational
- Logical
- Increment / decrement
- Conditional
- Compound assignment

# Chapter 3: Decision Control Structure

- Simple if statement
- If else statement
- Else if ladder
- Nested if statement

# Chapter 4: loop Control Structure

- Introduction
- Types of loops
- While
- Do while
- For
- Odd loop

# Chapter 5: Getting started with Functions

- Introduction
- Types of functions
- Calling conventions
- Introduction to pointers
- Pointer variables

# Chapter 6: Array

- Introduction
- Types of Array
- Declaration, initializing of array
- Matrix

# Chapter 7: Strings

- Introduction
- Various string functions

# Chapter 8: Structures

- Introductions
- Declare a structure
- Using of struct

# Chapter 9: File Handling

- Introduction
- Opening modes
- Reading
- Writing
- Appending
- Seeking
- Tell