

# C Programming

## Arrays

- Concepts
- Indexing Pointers
- Multidimensional
- Passing Arrays to Functions
- Pointers to Arrays
- Single-Dimension

## Basics

- Basic Program
- Data Types
- Language
- Literals
- Other Statements
- Preprocessor
- Statements
- Structures

## C Expressions

- Conditionals
- Constants
- Data Types
- Definitions and Declarators
- Operator Precedence
- Operators
- Scoping
- Storage Class Specifiers
- Variables

## Functions

- Character Functions
- Concepts
- Dynamic Memory Allocation
- Error Handling
- Mathematical Functions
- Memory Functions
- Storage Functions



- String Functions
- Time and Date Functions

## **Input/Output**

- Concepts
- Console I/O
- File I/O
- Formatted Output
- I/O Functions
- Special Characters

## **Pointers**

- Arrays of Pointers
- Concepts
- Indirection
- Initializing
- Passing Arguments
- Pointers to Various Objects

## **Program Statements**

- Branch
- Casting
- Conditionals
- Implicit Casting
- Looping
- Other Statements

## **Strings**

- Basics
- Literals
- String Manipulation