At EDUCBA, it is a matter of pride to us to make job oriented hands on courses available to anyone, any time and anywhere.

Learn at a time and place, and pace that is of your choice.

Plan your study to suit your convenience and schedule.

C Programming Course

Email Contact: info@educba.com

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Course Overview

In this Course you get to learn:

C Programming Course and its related modules are covered with core and advanced concepts on C Programming techniques and developing applications or running scripts on UNIX operating systems C Programming Language.

C Programming Skills

We learn the following skills:

The set of skills those can be obtained on completion of the C Programming course are C Programming Language, Structure of C Program, IO Functions, If-Else Construct, Switch Case, While Do-While, For Loop, Operators, Arrays etc.

Advanced features of C programming such as Working with Functions, C++, Abstraction, Encapsulation, and Variables.

Course Features

Course Duration- 21+ Hours

Number of Courses

Verifiable Certificates

Lifetime Access

Technical Excellence

About C Programming

C Programming is an imperative, structured and general-purpose programming language.

C Programming was used to write many good applications such as UNIX operating systems and most of the UNIX programs, C compilers etc.

C programming can be used to write many applications such as OS, compilers, text editors, network drivers, databases, interpreters etc.

C Programming Course

This is a Bundle Course that includes complete in-depth C Programming Course combined into one Complete Course.

This Bundle perfectly meets the requisite of the industry and gives you a better chance of being hired as a C Programming Course professional.

1 C Programming Course

Section 1. Introduction

- Introduction to C

Section 2. Learn C Programming Language

- Data Types In C

Section 3 . Structure of C Program

- Structure of C program

Section 4 .Programming in C

- Program in C Part 1
- Program in C Part 2
- Program in C Part 3

Section 5. IO Functions

- IO Functions

Section 6. If-Else Construct

- IfElse Construct Part 1
- IfElse Construct Part 2

Section 7 . Switch Case

- Switch Case

Section 8 . While Do-While

- While dowhile Part 1
- While dowhile Part 2

Section 9 . For Loop

- For Loop

Section 10 . Break Continue

- Break Continue

Section 11 . While Do-While

- While dowhile Part 1
- While dowhile Part 2

Section 12 .Break Continue

- Break Continue

1 C Programming Course

Section 13.Operators

- Introduction to C

Section 14 . Break Continue

- Problem solving Using Operators
- Case Study in C programming language
- Explaining C language and its different functions using Case studies
- reverse of a number
- More Examples of C Program writing
- Writing Programs in C using case studies
- More examples of program writing in C

Section 15. Arrays

- Working with Arrays part 1
- Working with arrays
- One Dimensional Array
- Working with One Dimensional Array
- Some Examples and Problem Solving on One Dimensional Array
- Practice Problem Solving on One Dimensional Array
- Practice Questions on One Dimensional Array
- Practice Questions on One Dimensional Array 2
- Practice Questions on One Dimensional Array 3

1 C Programming Course

Section 16. Working with Functions

- Working with Functions
- Practice Programming on Functions
- Call by Value Call by Reference Continued
- Passing Arrays to Functions
- Practice Questions on Passing Arrays to Functions
- Returning the value from a function
- String functions
- string to numeric conversion function

Section 17 . Conclusion

- Conclusion

2 Comprehensive C++ Training

Section 1. Introduction

- Introduction To Oops Concepts
- Object Oriented Methodology
- Benefits Of Oops
- Phases Of Sdlc (Software Development Life Cycle)

Section2. Introduction To C++

- History Of C++ , Write Program In C++
- Compile And Running A C++ Program
- Calling Method
- Operators In C++
- If-Else
- Switch Case Part 1
- Switch Case Part 2
- While Loop Part 1
- While Loop Part 2
- Do While For

Section 3. Abstraction, Encapsulation, Variables

- Abstraction Encapsulation Part 1
- Abstraction Encapsulation Part 2
- Static Variables Part 1
- Static Variables Part 2
- Friend Keyword

Section 4 . Array

- Array Introduction
- Array Demo
- Two Dimetional Array Part 1
- Two Dimetional Array Part 2
- 2D Program
- Param Array
- Enumeration

3 C On LINUX

Section 1. Introduction To C On Linux

- Gcc Architecture Overview
- Commands to Install Gcc on Linux
- Commands to Check Whether Gcc Installed or Not
- Introduction to C on Linux
- First C Program
- Compile C program on Linux
- Gcc Compiler With -C Option

Section2. A Course on Uage of Gcc Compiler and Basic Cprogramming on Linux

- Gcc Various Options
- Gcc Various Options Practical
- Various Stages of Compilation
- Various Stages of Compilation Practical
- Development Stages of Program
- Types of Variables Theory
- Variable Declaration Definition and Printing Values
- Variable Declaration Definition and Printing Values Practical
- Arithmetic Operators in C
- Arithmetic Operators in C Practical
- Operators
- Operators Available and Conclusion

Section 3. A Course on Control Statements Avilable in C

- Control Loops in C Introduction
- Go to Loop Theory
- If Else Loop Theory
- If Else Loop Handson
- Go to Loop Handson
- Difference Between Break
- Switch Control Statement
- Break Continue Switch Handson
- Switch Versus If Else Ladder
- Case Study On Loops And Condition Statements

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Section 4 . A Course on Loop Statements Available in C and Using Gcc

- While Loop Theory
- Calculation of Simple Interest for 3 Step
- While Loop Handson
- Do While Handson Theory
- Do While Handson Practical
- For Loop Theory
- For Loop Practical
- For Loop Handson
- For Loop Handson Practical
- Various Concepts of Infinite Loop
- Nested Loops

Section 5 . A Course on Various Library Defined and User Defined Functions Available in C

- Introduction to Function
- User Defined Function
- Function Definition
- Functions with no Parameters no Arguments
- Functions with no Return Parameters But has Arguments
- Functions with Return Parameters But has no Arguments
- Functions With Return Parameters and has Arguments
- Case Study of Calculator Using All Four Types of Functions

Section 3. A Course on Functions with Variable Pointers

- Main Function Execution
- Recursive Function Concepts
- Calling Function and Called Function
- Pointer Introduction
- Address Operator
- Pointer Variable Declaration
- Indirection Operator
- Pointer Arithmetic
- Double Deference
- Void Pointer
- Volatile Pointers

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Section 5 . A Course on Functions with Variable Number of Arguments

Introduction of Variables Arguments Function

Variadic Functions Declaration Syntax

VF Unnamed Arguments AM

More on Unnamed Arguments AM

Command Line Arguments

Introduction of Variables Arguments Function

Variadic Functions Declaration Syntax

VF Unnamed Arguments AM

More on Unnamed Arguments AM

- Command Line Arguments

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Frequently Asked Questions

Why should I opt for this C Programming course?

Any C Developer or C Programmer or Application Engineer working on the apps development or system programming or UNIX development and who all are interested and willing to learn C Programming and its core and advanced level concepts should choose this C Programming course.

Is this course a value added to either to my career or profession?

Yes. this course is definitely a value-added and beneficial in terms of programming knowledge and also to the learners' profile and including some verifiable certifications that will add benefit in further opportunity searches.

Customer Reviews

Really good course, quite comprehensive and able to provide students with a good solid base on .NET / C C++ C# programming. Adding more practical exercises would be beneficial, for knowledge consolidation and practice but overall quite a good course, well structured and it is definitely recommended.

Miguel Gomes Monteiro

It's not often that one finds a great online course as great as EDUCABA. Each course is presented and easy guideline to follow. The courses are enjoyable and straightforward. One great thing about this creates a table course is that definition is also included great for beginners like me. I will recommend this SSIS Training Course

Jeffrey Crewe-Brown

This course starts from basic and goes to high levels. This course is comprehensive and teaches anything you need to start developing C programs. teaches briefly about C++ programming it could be better if you could provide some exercise files to practice. Overall good training on C++

Simone Romano

C Programming Course

For Queries please contact:

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