**C Language**

**About the course**

Have you never programmed a computer before, and think or have been told that C is a good programming language to get started with.  **It is!**

Maybe you have some experience with other programming languages, but want to learn C.  **It's a great language to add to your resume!**

Or perhaps you are stuck in a low paying programming job, and want to move up to a better, more senior position.  **Learning C can help you!**

The fact is, learning how to program in C is not only an excellent programming language to get started with, but it will also make you a better programming in other computer languages

**Why learn C ?**

C is often considered to be the mother of all languages because so many other languages have been based on it.

Though C is simple it is one of the **most powerful languages ever created**.  Considering it was created over 40 years ago, it is still used heavily and is usually in the top 5 or 10 most popular and most widely programming languages in the world.

Learning C can actually make you a better programming in other languages like C++, Java, or C# by equipping you with a mental model of what the computer is actually doing when you run your programs.  
  
By learning how things really work "under the hood", and understand memory space, CPU architecture and so on, you can create more efficient programs, and obtain a huge advantage over other programmers in the process.

If you want to become a better developer, learning C is a great way to start!

**Why enrolling in this course is the best decision you can make.**

By the end of this course, you will understand the fundamentals of the C Programming Language, and make yourself more marketable for entry level programming positions.

You will understand variables and the different data types, be able to utilize functions and arrays, understand the  concept of pointers, learn about control flow (decision statements and iteration).

You will be in a position to apply for real-time programming positions, and truly understand the core language that most modern languages are based on!

If you have previously used the C programming language, then this course will deepen your understanding of it. If you have never used it, no problem, you will see that it can help you become a more efficient C developer.

The course will be constantly refined in the future based on student feedback!

**Structure**

**Section 1:** Introduction

**Section 2:** Installing Required Software

**Section 3:** Starting to write code

**Section 4:** Basic Concepts

**Section 5:** Variables and Data Types

**Section 6:** Operators

**Section 7:** Control Flow

**Section 8:** Arrays

**Section 9:** Functions

**Section 10:** Character Strings

**Section 11:** Debugging

**Section 12:** Pointers

**Section 13:** Structures

**Section 14:** File Input and Output

**Section 15:** The Standard C Library

**Section 16:** Conclusion

**Time**

Begin in: October 1st 2021

* Friday: 17:00 – 20:30
* Saturday: 17:00 – 20:30

**Cost**

Course C Language: $39.99