C Programming Language Training

Duration: **4 Day**

BILGINÇ IT Academy
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Overview

C is one of the most widely-used languages for systems software and workstation application programming, largely due to its power and flexibility. This {*training} will provide you a highly effective, structured approach to learning the C language.

Programming skills will be enhanced as delegates will be able to use the powerful features of C to best effect and avoid errors that lead to faulty code or code that cannot be maintained. QA's programming course is outstanding because of its emphasis on writing style, pitfalls to avoid and techniques to use that make the code clear, concise and maintainable.

In addition to the lecture material there are graded practical sessions that cover each of the major areas of C. There are also optional exercises for further study after the {*training}. Delegates may take away worked solutions, together with some small sample demonstration programmes.

Prerequisites

There are no prerequisites for this course.

Who Should Attend

- Those who want to learn C language
- Software developers who have developed applications with a different software language

What You Will Learn

At the end of this {*training}, attendees will have an understanding of the following:

- Use the major elements of the C language
- Write programs using the strengths of the C language For example, pointers
- Write and use the data structuring features of the language, which can result in better program design
- Work with the C run-time library: a major source of programmer productivity
- Spot and remedy common programming errors in C
- Write in a good C programming style

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Outline

- Introduction to Computing
- Basic C Constructs
- Selection
- Repetition
- Derived Datatypes
- Arrays and Strings
- Multidimensional Arrays
- Functions
- Pointers
- File Operations
- Preprocessor
- Recursion
- Advanced Data Structures