

Preface

Conveying systematic set of instructions to computer is called 'Programming'. Whether you work in 'Word' or in 'Windows Operating System', it is due to the result of one or other kind of 'programming'. Unlike humans, computers require – appropriate, accurate and logical language for communication of instructions and information. Remember, computer understands only two kinds of statements, viz – 'electricity is ON' OR 'electricity is OFF'. Therefore, in computer language there is no scope or possibility of un-logical or doubtful words, like we humans choose to use sometimes. Though, there could be more than one meaning of a single word in the language we humans use, but while giving instruction to computers, any one word should have only one meaning for which it is intended. Although from this point of view, the computer language seems very limited, but with systematic use of computer language we can find solutions of even enormous problems. Programming language is a set of instructions which tells computer – what to do and when to do.

There are several popular programming languages being used these days. C language is the most used language of them all. If you wish to make a good career in Computer Programming field, you must learn to work in C language which has been designated as ultimate programming language.

Computer scientists engaged for structured programming have developed Object Oriented Programming System. Using this technique in C language resulted in the evolution of C++ language before us. Object oriented programming actually, is a process of structured programming using minimum instructions to produce such programs or software which are more refined and structured in comparison to those made in C language. This is the reason that C++ is the most commonly used language these days for Object oriented programming.

In present age of Internet, Microsoft has developed a new platform of application meant for use in Internet and Web, that is called dot net (.Net). For such applications, a new language has been developed which is called as C sharp (C #). By using this technique of present times, you can easily do programming for such internet and web applications which are used for communicating data on internet.

In this book, you will get detailed knowledge of doing programming in all the three languages mentioned above and you will get to know the basic difference between each of the three languages. In the beginning of the book, Programming in C language has been described. If you are able to understand programming concepts properly in C language, it will not be difficult to learn programming in the other two languages, i.e. C++ and C Sharp.

Currently, if you take admission in any computer course under which programming is being taught, you will definitely face one or the other out of these three languages. This is first time that such book has been published comprising such description of all the three languages of C family. It is trusted that it will prove to be a boon to students aspiring for a career in computer programming.

-Author

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