GLISTER EDUVERSITY
Success, Nothing Less

CERTIFICATE IN C LANGUAGE

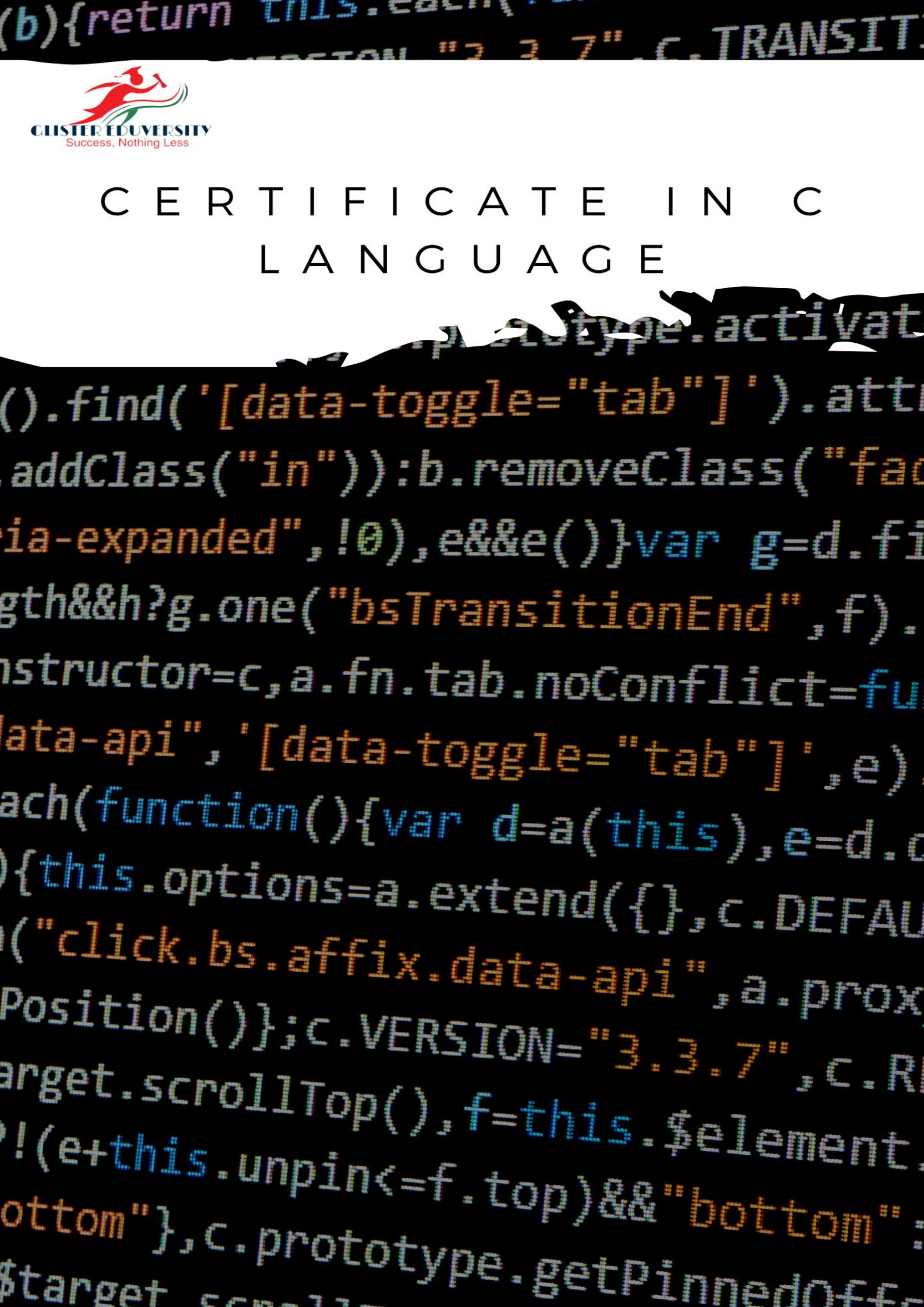


Table of Contents

1. About Glister Eduversity
2. Course Overview
3. Course Objective
4. Details of Program
5. Content of Syllabus
6. Reference Books

About Glister Eduversity

Today is the era of working parents and due to workload, they do not get enough time to support their children`s education. Therefore,they are Heavily blamed by All, in the current dialogue and debate about Improving the education system, the disadvantages of improper parenting is known to all.

It is time to start parenting in the education system. With the Glister Eduversity, We present you the solution to all such problems switching towards telephonic parenting, proper guidance and development graph.

This is the first Indian institution to provide education care with parenting. Glister Education offers telephonic parenting with a right strategic plans for the student, online test series, seminar, scholarship programs, in really attractive packages.

We also guide their appoinments as well as their strategies. So, lets don`t wait, and acheive nothing less than success with Glister Eduversity Parenting cum Education Care.

Director: Amit Pandey

Mission

The mission of Glister Eduversity is to educate the citizens and citizen-leaders for our society.

We do this through our commitment to the transformative power of a liberal arts and sciences education.

Beginning in the classroom with exposure to new ideas, new ways of understanding and new ways of knowing, students embark on a journey of intellectual transformation.

Through a diverse living environment, where students live with people who are studying different topics, who come from different walks of life and have evolving identities, intellectual transformation is deepened and conditions for social transformation are created.

From this we hope that students will begin to fashion their lives by gaining a sense of what they want to do with their gifts and talents, assessing their values and interests, and learning how they can best serve the world.

Vision

Glister Eduversity will set the standard for residential liberal arts and sciences education in the twenty-first century. We are committed to creating and sustaining the conditions that enable all Glister Eduversity students to experience an unparalleled educational journey that is intellectually, socially, and personally transformative.

Welcome to the Glister Eduversity, Varanasi . For more than three Years, Glister Eduversity has served as our nation's flagship comprehensive institution of higher education.

Our primary goal is to become one of the most prominent and excellent educational Institute in the world. We are fortunate to have a talented, highly committed teaching and support staff here to ensure the learning environment of our students is the best it can be. Our faculties are renowned scholars and accomplished practitioners who are actively engaged in the academic excellence and innovative research ideas of the modern world. Our students are innovators, engineers, managers, great scientists, entrepreneurs, and aspiring leaders - from every age group and are located at every corner of the country. Our unique teaching and learning process with a proper blend of theory and practice crosses the boundaries of nations towards industry-readiness and global excellence.

Program overview

The software world requires languages that can interact with hardware. At the same time these languages should be portable so that they can be used on different platforms. Most of the languages either provide the power to control hardware or are flexible but C language provides both the features. This module will enable a learner to implement C programming to solve a given programming problem.

Candidates who love to create their own application or software by coding can learn this course easily and it is very simple to learn and understand. The basic knowledge of programming can be gained only from a C Programming Language. So, students get C language course certification from the popular institute and lead a programmer life in top MNCs, or International companies. Also, there are huge career opportunities for the C certified holder. Know the complete details of C Programming language from the below sections.

Salient Features

C is a very flexible and well-established language thus making it the mother of all programming Languages.

Many programs, libraries, operating systems, etc are implemented in C. For example, in Linux, More than 85% of code is written in C.

In this course you will learn C variables, data types, operators, arrays, flow control statements, functions and structures.

After Completion of This course, You Will Get A Certificate That will be universally Accepted.

Course Objective

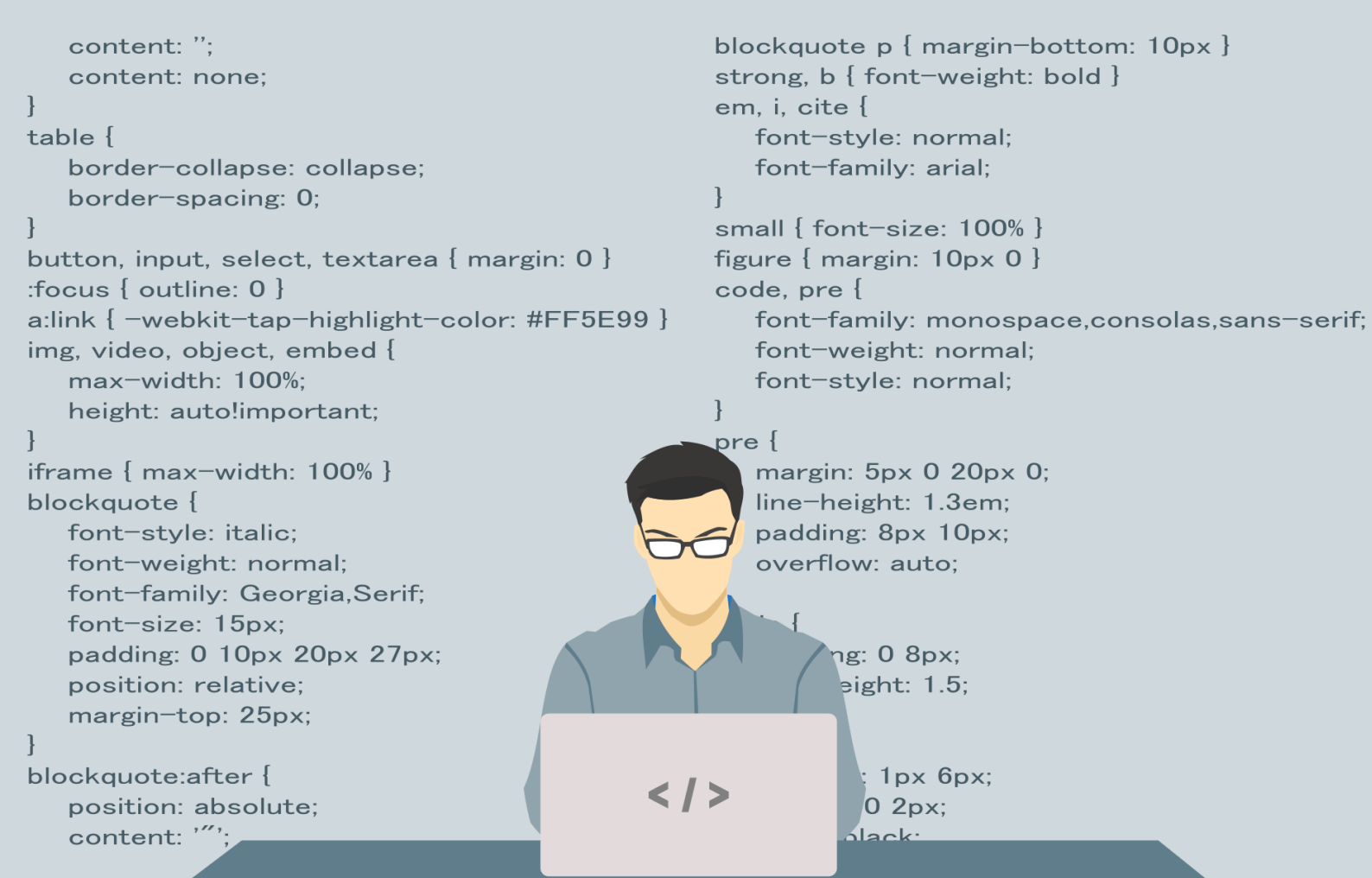
The 3 Months “Certificate in C Language” course is for the Learners who want to be a Programmer, with the aim to learn, develop and practice required by the market. In this course, the emphasis is put on the learner to acquire the ability to perform as a confident and competent Programmer.

The objectives of this course are to:

This course is mainly for those who are just starting the programming in C Language. In this course we are covering all the fundamentals concepts in detail. The beginners will get good foundation of C Language programming after the course.

Learning Outcomes :

1. Explain the input-output functions, data types, and conditional statements.
2. Use control flow statements.
3. Use operators and arrays.
4. Implement pointers.
5. Implement modular programming.
6. Implement file handling.
7. Use structures and user-defined data types.
8. Use the low level input/output



Details of Programme: Certificate in C Language

1. Title of the Course

The Course shall be called as “Certificate in C Language ", a Regular course of 3 months (120 hrs.) Duration.

2. Duration of the Course

This is a regular course of 120 hrs. Extended over a period of 3 months duration.

3. What You Will Get:

You Will Get a Mark sheet and a Certificate That Will be Universally Acceptable.

4. Aims and Objectives of the Course

The course is designed to provide programming fundamentals using C . After the completion of the course, students will be able to:-
Understand the basic terminology used in computer, write , compile and debug programs in C language and use different data types in a computer program.

5. SCOPE:

Programmer, Embedded Programmer, Compiler Designer , Senior engineer, Technical architect, team leader , c Program Developer , Senior programmer , Junior programmer , Software developer, Quality analyst, Game programmer etc

6. Syllabus

The syllabus is design to fulfill aforesaid objectives containing theory subjects as well as practical in C Language..

Introduction to Programming	Theory : 50 Marks, Practical/Assignment : 50 Marks
C Language Fundamentals	Theory : 50 Marks, Practical/Assignment : 50 Marks
Functions in C	Theory : 50 Marks, Practical/Assignment : 50 Marks
Strings & Array	Theory : 50 Marks, Practical/Assignment : 50 Marks
Structures in C	Theory : 50 Marks, Practical/Assignment : 50 Marks
File Handling in C	Theory : 50 Marks, Practical/Assignment : 50 Marks
Additional Features of C	Theory : 50 Marks, Practical/Assignment : 50 Marks

7. Eligibility Conditions

Basic Knowledge of computer

8. Course Fee: INR 7,500+GST/-

Content of Syllabus :

Unit 1 :- Introduction to Programming
Basic intro about Programming and Software Development

Unit 2 :- C Language Fundamentals
Character Set, Data Types and Keywords, Compilation, programme flow etc..

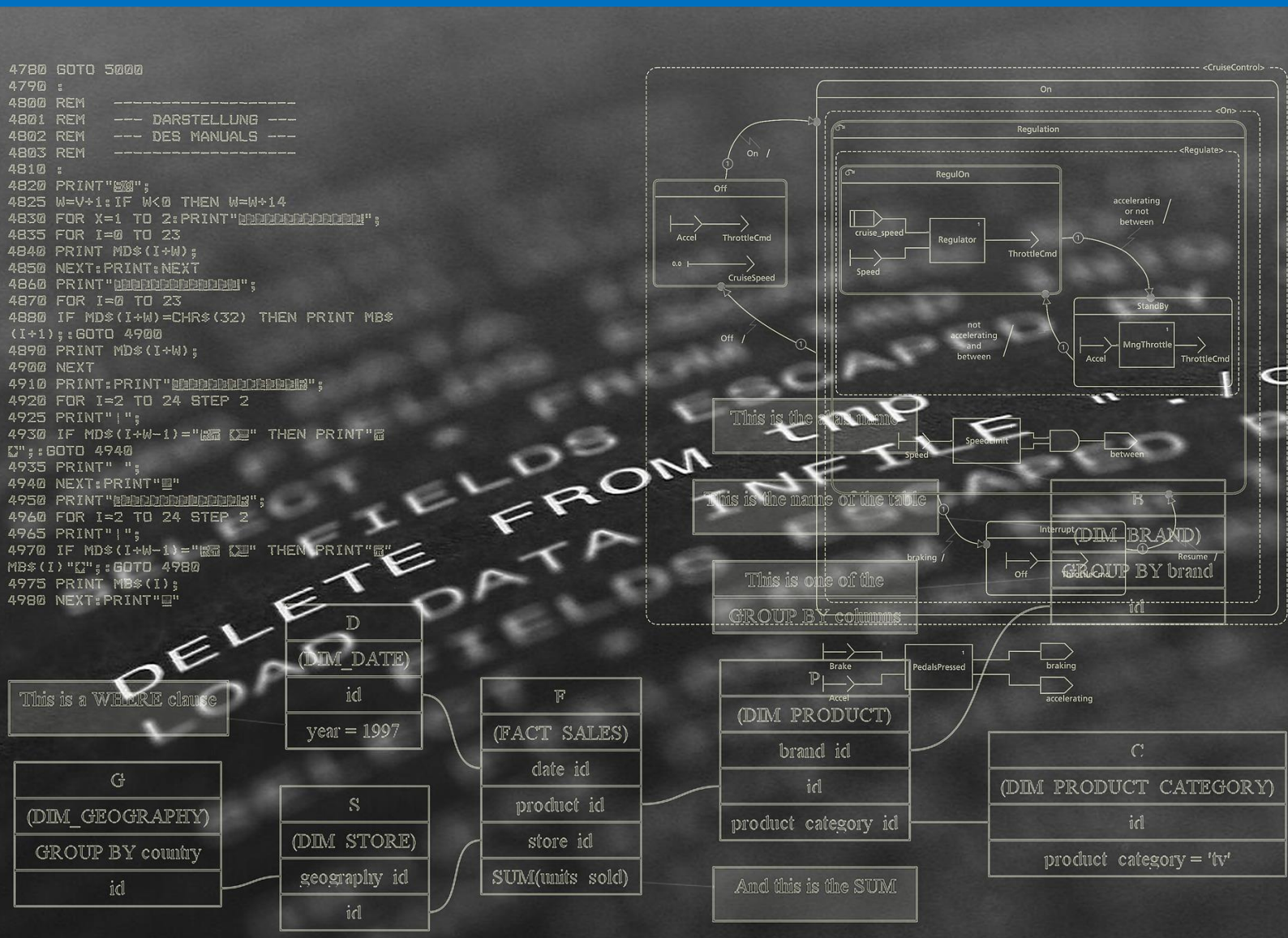
Unit 3 :- Functions in C
Standard and user defined functions, arguments, parameter, call by value, call by reference etc.

Unit 4 :- Strings & Array
String Dimensions, Strings in C etc

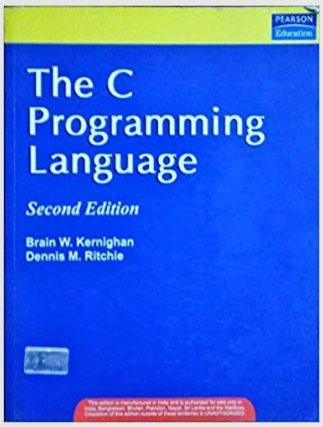
Unit 5 :- Structures in C
Structures, Unions, Pointers etc.

Unit 6 :- File Handling in C
Input/output console functions, Disk input output, data files etc

Unit 7 :- Additional Features of C
Preprocessors, Command Line arguments, Library Functions etc.

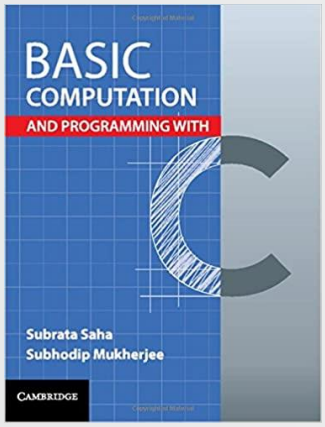


Books For Reference



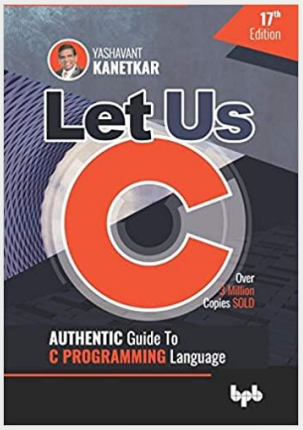
THE C PROGRAMMING LANGUAGE

Brian. W Kernighan



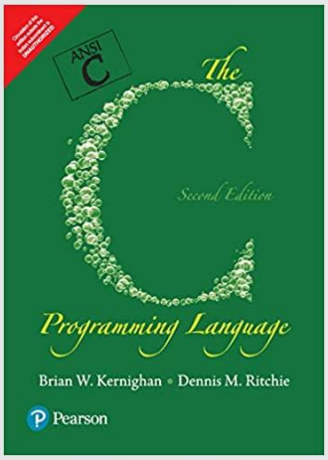
Basic Computation and Programming with C

Subrata Saha

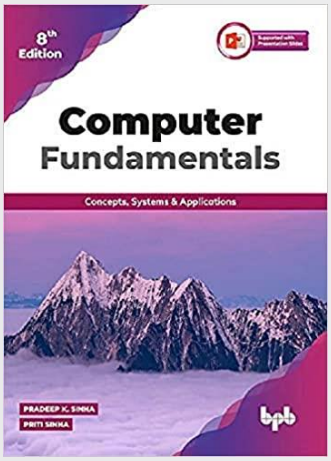


Let Us C

Yashavant Kanetkar



The C Programming Language
Brian W. Kernighan / Dennis Ritchie



Computer Fundamentals
BPB Publication