



## Solved Programming in C++

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## Product Description

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This book blends concepts with real practical applications. Simple and lucid style trains the reader not only in developing application programs but also familiarizes with system level programming. Salient Features: 1. Contains about 2200 solved simple as well as complex programming problems. Include real life solved examples. 2. Contains all data types programming descriptions like int array, bool, binary bit, float read, register variables etc. 3. It covers of all functions of cin and cout, cin manipulator, cout boolalpha, cout custom, cout scientific etc. 4. Include Classes , objectives, constructor and destructor with simple programming examples. 5. Each operator is overloaded using simple programs like overloaded unary binary operator, enum, square bracket, custom inserter etc. 6. Detail study of various types of inheritance and also explain polymorphism concept. 7. Each function file of I/O is described using simple programming, functions like binary file, file pointer, istream, ostream, iostream and file IO exception etc. 8. Explore the functions like inline, static, and friend. 9. Some extra features like templates, exception handling, generic programming described using suitable programming examples. 10. Contains implementations of data structures liked list, stack, queue etc.

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**Chapter 1:** Introduction to C++. **Chapter 2:** All Data Types. **Chapter 3:** Development in Cin and Cout. **Chapter 4:** Control Statements. **Chapter 5:** Array. **Chapter 6:** Strings. **Chapter 7:** Functions. **Chapter 8:** Pointers. **Chapter 9:** Structure and Union. **Chapter 10:** Classes and Objects. **Chapter 11:** Constructors and Destructors. **Chapter 12:** Operator Overloading. **Chapter 13:** Inheritance. **Chapter 14:** Polymorphism and Virtual Function. **Chapter 15:** Files. **Chapter 16:** Exploring Functions (Inline Friend Static). **Chapter 17:** Templates. **Chapter 18:** Exception Handling. **Chapter 19:** Generic Programming. **Chapter 20:** Data Structures Using C++.



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## Author

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**Ikvinderpal Singh** Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrer. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming. **Rachhpal Singh** Rachhpal Singh is head of P.G. Dept. Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA from thapar Institute of Engineering and Technology, patiala. He has over fifteen years of teaching experience to teach post graduate classes. He is an international author of the world level and his other areas of interest include software engineering, parallel processing system level programming.

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