

C PROGRAMMING HANDBOOK BY SAICHANDAN GORLI

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WHAT IS PROGRAMMING?

Computer programming is a medium for us to communicate with computers. Just like we use "Hindi" or "English" to communicate with each other, programming is a way for us to deliver our instruction to the computer

WHAT IS C?

1. C is programming language. 2. C is one of the oldest and finest programming language. 3. C was developed by Dennis Ritchie at AT&T's Bell Labs, USA in 1972.

USES OF C

C language is used to program a wide variety of systems. Some of the uses of C are as follows :

1. Major parts of Windows, Linux and other operating systems are written in C.
2. C is used to write driver programs for devices like tablets, printers etc.
3. C language is used to program embedded systems where programs need to run faster in limited memory
4. C is used to develop games, an area where latency is very important , i.e., the computer has to react quickly to user input.

INSTALLATION

We will use VS Code as our code editor to write our code and install MinGW gcc compiler to compile our C program.

Compilation is the process of translating high-level source code written in programming language like C into machine code, which is the low-level code that a computer's CPU can execute directly. Machine code consists of binary instructions specific to a computer's architecture.

[Download VS Code \(https://code.visualstudio.com/download\)](https://code.visualstudio.com/download)