Computer Science Portal

The ultimate resource to prepare for coding interviews. Everything you need, in one streamlined platform.

CSP is an interview prep platform for software engineers. It's specifically geared towards those who want to work at a FAANG-level company. Featuring a robust interactive coding environment.

CSP provides links to Computer Science learning resources that have been developed by the various Computer Science content development projects. The main content development project is the School of Computer Science. This portal features exciting examples of Computer Science learning resources. **CSP** participants who are interested in Computer Science are invited to create and participate in learning projects and learning resources and help organize them by developing this portal. We're just starting, but we already have some good materials. The Computer Science Portal serves to provide quick access to everything in the Computer Science category.

Featured development projects

Computer Programming

Computer Networks

Computer Science Discussion

Information Studies


LEARNING
DATA STRUCTURE
& ALGORITHM
IS IMPORTANT


ANDROID APP
DEVELOPMENT


JS
HTML
jQuery
WEB
DEVELOPMENT
Java
php
RAILS


Java™

This course covers the same materials as an introductory class for undergraduate computer science majors. Its curriculum, which includes software, hardware and algorithms, resembles that of a one- or two-semester first-year college course or the high school Advanced Placement (AP) Computer Science. It does not require a formal computer science background.

There is also a gentler Introduction to Computers for non-majors, and a basic course focusing on programming that is taught in several computer languages.

The rewards of taking this course are immense. In addition to being a subject in itself, computer science can be applied to almost any other discipline from accounting to zoology. The job prospects for computer scientists and computer engineers are excellent.

Computer programming is the process of designing and building an executable computer program to accomplish a specific computing result or to perform a specific task. Programming involves tasks such as: analysis, generating algorithms, profiling algorithms' accuracy and resource consumption, and the implementation of algorithms in a chosen programming language (commonly referred to as **coding**).

The source code of a program is written in one or more languages that are intelligible to programmers, rather than machine code, which is directly executed by the central processing unit. The purpose of programming is to find a sequence of instructions that will automate the performance of a task (which can be as complex as an operating system) on a computer, often for solving a given problem. Proficient programming thus often requires expertise in several different subjects, including knowledge of the application domain, specialized algorithms, and formal logic.

Tasks accompanying and related to programming include: testing, debugging, source code maintenance, implementation of build systems, and management of derived artifacts, such as the machine code of computer programs.

These might be considered part of the programming process, but often the term *software development* is used for this larger process with the term *programming*, *implementation*, or *coding* reserved for the actual writing of code.

Software engineering combines engineering techniques with software development practices. *Reverse engineering* is a related process used by designers, analysts and programmers to understand and re-create/re-implement.[3]:3

Computer Science Portal. mainly focuses on CS subjects, Data Structure and Algorithm, Coding, Placement Papers, Interview Questions. **Programming** involves tasks such as: analysis, generating algorithms, profiling algorithms' accuracy and resource consumption, and the implementation

Programming Stack

Learn C / C++

Learn Python

Learn Java

Preparation Stack

Job & Interview Preparation

Technical Preparation

Resource Stack

Recommended Books

Online Tools

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