Mindluster Platform

About the course Computer Science Basics

Computer science is the study of algorithmic processes, computational machines and computation itself. As a discipline, computer science spans a range of topics from theoretical studies of algorithms, computation and information to the practical issues of implementing computational systems in hardware and software. Its fields can be divided into theoretical and practical disciplines. For example, the theory of computation concerns abstract models of computation and general classes of problems that can be solved using them, while computer graphics or computational geometry emphasize more specific applications. Algorithms and data structures have been called the heart of computer science. Programming language theory considers approaches to the description of computational processes, while computer programming involves the use of them to create complex systems. Computer architecture describes construction of computer components and computer-operated equipment. Artificial intelligence aims to synthesize goal-orientated processes such as problem-solving, decision-making, environmental adaptation, planning and learning found in humans and animals. A digital computer is capable of simulating various information processes. The fundamental concern of computer science is determining what can and cannot be automated. Computer scientists usually focus on academic research. The Turing Award is generally recognized as the highest distinction in computer sciences.

Computer Science Category's Courses

Course Lesson(7)

Lesson 1 : **Computer Science Basics**

Lesson 2 : **Computer Science Basics Hardware and Software**

Lesson 3 : **Computer Science Basics Binary**

Lesson 4 : **Computer Science Basics Algorithms**

Lesson 5 : **Computer Science Basics Sequences Selections and Loops**

Lesson 6 : **Computer Science Basics Programming Languages**

Lesson 7 : **Computer Science Basics Should I Learn to Code**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory

Binary Trees

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