



BAHASA INGGRIS I

COMMON TERMS USED IN COMPUTER SCIENCE

2 0 3 0



Abstraction

Reducing complexity by focusing on the essential features of an algorithm or data representation and omitting unnecessary detail.

Algorithm

A precise step by step method for solving a problem. It is named after Iranian mathematician Muhammad ibn Musa al-Khwarizmi.

Application

A self-contained program that performs a specific function for end users.

Boolean logic/digital logic

A system of reasoning with truth values, true and false, using logical operations such as and, or, and not. It is named after British mathematician George Boole.

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Browser

A piece of software that enables a user to locate, retrieve and display information on the world wide web.

Complexity

The way that a solution to a problem scales as the size of the input increases, considering both the number of computational steps and the memory space required.

Computation

Performing a calculation by executing the instructions of a program on a computational device.

Computational device/digital device

A computer or other programmable device that performs computation.

Computer science

The scientific study of computation, applied to both hardware and software, covering both theoretical and practical concerns.

Data

Information which can be stored, retrieved and manipulated in digital form using digital devices.

Debug

To find, remove and/or change errors in computer code.

Digital artifacts/digital content

Images, videos, text or data, or a combination of these, which are made on a digital device.

Digital literacy

The ability to access and manipulate digital content and understand the implications of its creation

