

AP CSP Flashcards PDF

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What is the purpose of the Internet?

The Internet is a global network that connects millions of private, public, academic, business, and government networks.

What is an algorithm?

An algorithm is a step-by-step procedure or formula for solving a problem.

What is a variable in programming?

A variable is a storage location identified by a name that can hold a value.

What does 'debugging' mean?

Debugging is the process of identifying and removing errors from computer hardware or software.

What is a loop in programming?

A loop is a sequence of instructions that is continually repeated until a certain condition is reached.

What is the difference between a 'for' loop and a 'while' loop?

A 'for' loop is used when the number of iterations is known, while a 'while' loop is used when the number of iterations is not known.

What is a function in programming?

A function is a block of code that performs a specific task and can be reused.

What is the purpose of a conditional statement?

A conditional statement allows a program to execute certain code based on whether a condition is true or false.

What is a data structure?

A data structure is a way of organizing and storing data so that it can be accessed and modified efficiently.

What is the difference between 'syntax' and 'semantics' in programming?

Syntax refers to the rules that define the structure of a programming language, while semantics refers to the meaning of the statements in that language.