

1 Lecture - CS101

Important Subjective

What is a programming language?

Answer: A programming language is a set of instructions and commands used to create software programs, applications, and websites.

What is an algorithm?

Answer: An algorithm is a set of instructions used to solve a problem or complete a task, often used in programming.

What is a data structure?

Answer: A data structure is a way of organizing and storing data in a computer, such as an array or a linked list.

What is a function in programming?

Answer: A function is a reusable block of code that performs a specific task or set of tasks within a program.

What is the difference between a variable and a constant?

Answer: A variable is a value that can change during program execution, while a constant is a value that remains the same throughout the program.

What is an operating system?

Answer: An operating system is software that manages computer hardware and software resources, and provides common services for computer programs.

What is a database?

Answer: A database is a collection of data that is organized and stored in a computer, typically used for managing large amounts of information.

What is a network?

Answer: A network is a collection of computers and devices connected together, often used for sharing information and resources.

What is object-oriented programming?

Answer: Object-oriented programming is a programming paradigm that uses objects and their interactions to design and create software programs.

What is the difference between a compiler and an interpreter?

Answer: A compiler translates entire program into machine language, while an interpreter reads and executes the code line by line.