

Kit's Code-Cracking Guide to Programming

Think like a coder: Break it down, build it up, and bug-fix your way to success!

- An algorithm is a precise set of instructions or rules that a computer follows to complete a specific task.
- A sequence is the order in which commands are given; if the order is wrong, the program will not work as intended.
- A loop allows a computer to repeat a set of instructions multiple times without having to write them out again.
- Variables act like small containers in a computer's memory, used to store information such as a score or a player's name.
- Debugging is the process of finding and fixing errors (bugs) in your code to make sure your program runs smoothly.

Did you know? Did you know? The first computer programmer was a woman named Ada Lovelace in the 1840s. Long before modern computers were built, she wrote the very first algorithm intended to be processed by a machine!

Key vocabulary: Algorithm · Sequence · Variable · Debug · Loop · Input