

Kit's Coding Kingdom: A Guide to Algorithms

Think like a fox, code like a pro: Break it down, step by step!

- An algorithm is a precise list of instructions that must be followed in a specific order, just like following a recipe to bake a cake.
- A sequence is the order in which your steps are carried out; if you change the order, the final result might change too!
- Debugging is the process of finding and fixing mistakes in your code. Even the best programmers make errors, and that is a normal part of learning.
- Input is the information you give to the computer, and the output is the result the computer gives back to you after following your code.
- Variables act like small, labelled storage boxes in a computer's memory where you can keep numbers or words to use later in your program.

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

Key vocabulary: Algorithm · Sequence · Input · Output · Debugging · Variable