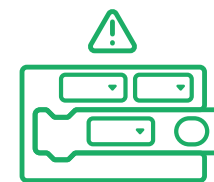


Practical Tips for Debugging Your Code

Debugging is an essential part of coding for everyone, from beginners to experts. Here are some practical tips to make learning to code a more enjoyable experience:



Test Your Code Often:

Running your code after a few changes can help identify mistakes as you go.



Understand Expected vs Observed Output:

Know what your code is supposed to do and how the actual output differs.

Consider the Causes:

Think about different reasons why the error might be happening.

Identify When the Error Occurs:

Determine if the error is reproducible and under what conditions it occurs.



Read and Explain Your Code:

Go through your code line by line and explain it out loud to spot any logical jumps.



Isolate and Test Segments of Code:

Break down your code into smaller parts and test each one independently.



Use Breakpoints:

Insert outputs or breakpoints, like an icon on the micro:bit, to see when code is happening in the background.



Ask for Help:

Don't hesitate to ask a friend or search for solutions online.



Take Breaks:

Sometimes, stepping away from the problem can give you a fresh perspective.