

Kit's Guide to Brilliant Debugging

Don't Panic, Just Patch: Become a Code Detective!

- A 'bug' is a mistake in your code that stops your program from doing what you wanted it to do.
- Debugging is the detective work of finding where your sequence went wrong and fixing the error.
- Check your logic: Sometimes the computer does exactly what you told it to do, even if that wasn't what you meant!
- Break it down: If your code is long, test it in small chunks to see exactly where the problem starts.
- Patience is key: Even the best programmers in the world have to debug their code many times before it works perfectly.

Did you know? Did you know that the term 'bug' became famous in computing when Grace Hopper found a literal moth stuck inside a computer relay in 1947? She had to remove the moth to make the machine work again, which is why we call fixing computer problems 'debugging'!

Key vocabulary: Algorithm · Bug · Debug · Sequence · Logic · Error