

DEBUGGING STRATEGY CARDS

PICK A STRATEGY • APPLY IT • FIX THE PROBLEM • TEST AGAIN



1 READ THE ERROR



Read the full error message carefully. What is it telling you?

2 REPRODUCE THE PROBLEM



Re-run your code and reproduce the issue. What steps trigger it?

3 ISOLATE THE PROBLEM



Check recent changes. Narrow down the area where the problem occurs.

4 CHECK THE SYNTAX



Look for spelling mistakes, missing symbols, brackets and indentation.

5 USE PRINT STATEMENTS



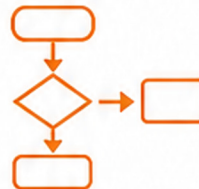
Add print statements to check values and follow the flow.

6 CHECK YOUR VARIABLES



Verify variable names, values and data types are correct.

7 CHECK LOGIC AND FLOW



Review conditions, loops and order of steps. Does the logic make sense?

8 TEST SMALL CHANGES



Make one small change at a time. Test and see what happens.

9 USE A MINIMAL EXAMPLE



Simplify your code to the smallest example that still causes the issue.

10 RESEARCH IT



Search the error message or problem. Learn from others.

11 RUBBER DUCK DEBUGGING



Explain your code line by line. Talking it through can reveal the issue.

12 TEST AND VERIFY



Run your code. Test thoroughly. Verify the problem is fixed.

