

Debugging PowerShell in VS Code

UNDERSTANDING DEBUGGING



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Why Should You Invest in Learning Debugging?

You spend a lot of time debugging

There will always be bugs in your code

Poor debugging skills lowers your
productivity

Being a good debugger makes you a
better developer

Debugging is sometimes the only way
to validate your expectations



Debugging:

The process of finding and resolving defects or problems within a program that prevent correct operation of computer software or a system.

-Wikipedia, The Free Encyclopedia



The Process of Debugging



Build a mental model of expected behavior



Identify & analyze the bug



Correct the code



Validate the code change



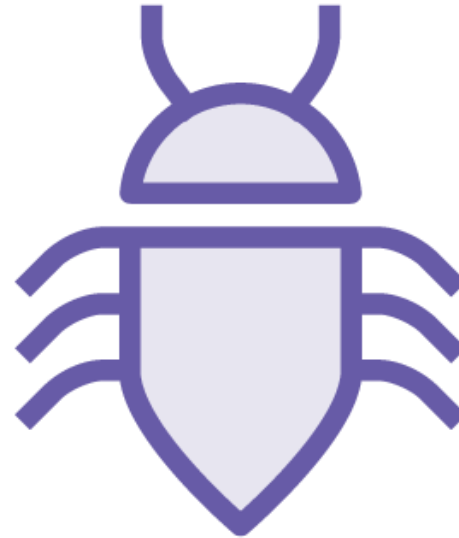
When Is Debugging Useful?



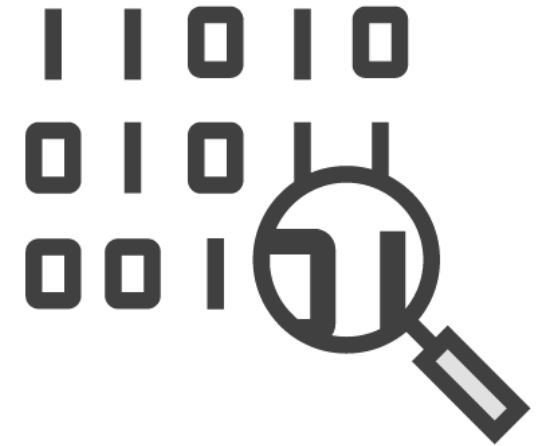
Writing Code



Get an Error



Unexpected
Behavior (Bug)



Troubleshooting

Debugging Methods



Visual Debugging &
IntelliSense



System Output



Debugger Programs

Demo



Demonstrate Debugging Methods

- Visual debugging
- Adding system output
- Using a debugging program



Summary



Why you should learn debugging

What debugging is

The process of debugging

When you should debug

Debugging methods

