

Debugging Python Code with Visual Studio Code



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Overview



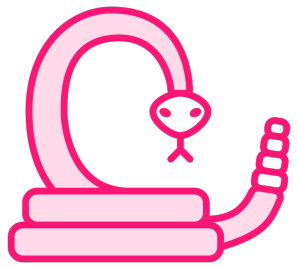
Setup Visual Studio Code for Python debugging

Commands are out, UI is in

- Run and debug from inside of Visual Studio Code
- Manage breakpoints
- Inspect variables
- Step through code
- Read the call stack
- Evaluate watch expressions
- Use the debug console



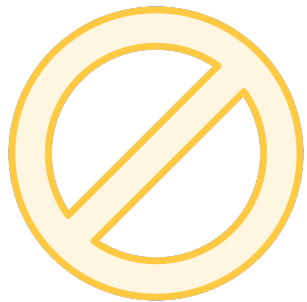
Debugging in Visual Studio Code



Python extension for Visual Studio Code



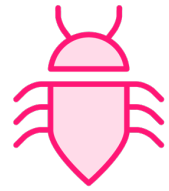
Run and debug Python code from inside of Visual Studio Code



No additional code needed to start the debugger



Commands are so pdb



Run and debug panel



Manage breakpoints and inspect variables



View a lot of information at once that updates in real time



Debug toolbar



Managing Breakpoints in Visual Studio Code

**Enabling, disabling
and removing
breakpoints**

**Conditional
breakpoints**

**Debugging
exceptions**





Stepping through code

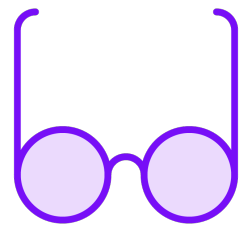
The step over, in and out functions are triggered with buttons in Visual Studio Code.



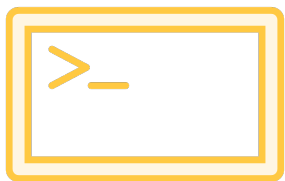
Inspecting Application State



Continued use of the variables and call stack in the Run and Debug panel



Watch expressions



Debug console



Summary



Debugging Python in Visual Studio Code

- Python extension

Many pdb commands are handled by the user interface

- Buttons to run, debug and step through code

Run and Debug panel

- View multiple variables simultaneously with real time updates
- Move up and down up the call stack with mouse clicks
- Manage breakpoints including conditionals and exceptions
- Watch expressions

Debug console

