

Question

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How to Debug Embedded Python?

Folks!

Could you please share any best practices on how to debug Embedded Python code?

Given I have the following class method:

```
ClassMethod HideShip() As %Status [ Language = python ]
{
    import iris
    shipsgl=iris.gref(iris.cls(__name__)._GetParameter("BoardStorage"))
    shipsgl.kill()
    from random import Random
    board=iris.cls(__name__)._GetParameter("BoardRange")
    x=random.randint(0,board+1)
    y=random.randint(0,board+1)
    shipsgl.set([x,y],1)
}
```

And when I run it shows the following error:

```
USER>d ##class(eshvarov.sample.SeaBattle.GamePython).HideShip()

D ##CLASS(eshvarov.sample.SeaBattle.GamePython).HideShip()
^
<THROW> *%Exception.PythonException <THROW> 230 ^^0^D ##CLASS(eshvarov.sample.SeaBattle.GamePython).HideShip() <class 'KeyError': Invalid args -
```

Any idea how to guess in what line could be the problem?

The one-by-line debugger in VSCode doesn't help (I guess it's not implemented yet).

[#Debugging](#) [#Embedded Python](#) [#InterSystems IRIS](#) [#VSCode](#)

Product version: IRIS 2022.1

\$ZV: IRIS for UNIX (Ubuntu Server LTS for x86-64 Containers) 2022.2 (Build 311U) Wed Aug 10 2022 00:49:03 EDT

Source URL: <https://community.intersystems.com/post/how-debug-embedded-python>