Scope

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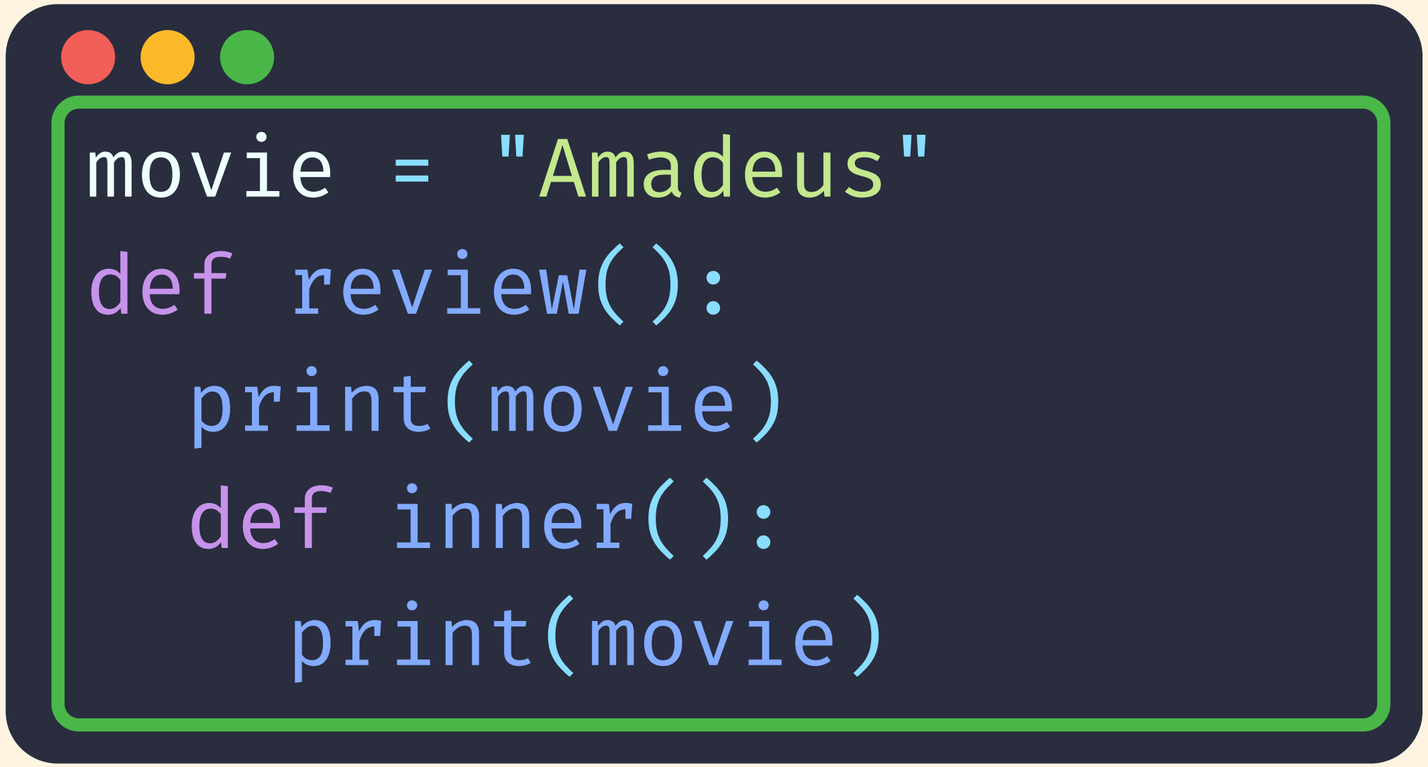
WHAT IS IT??

Every variable we work with in Python has a scope or **boundary where it can be used.** There are specific rules to how variables are scoped based on where they are initially defined.

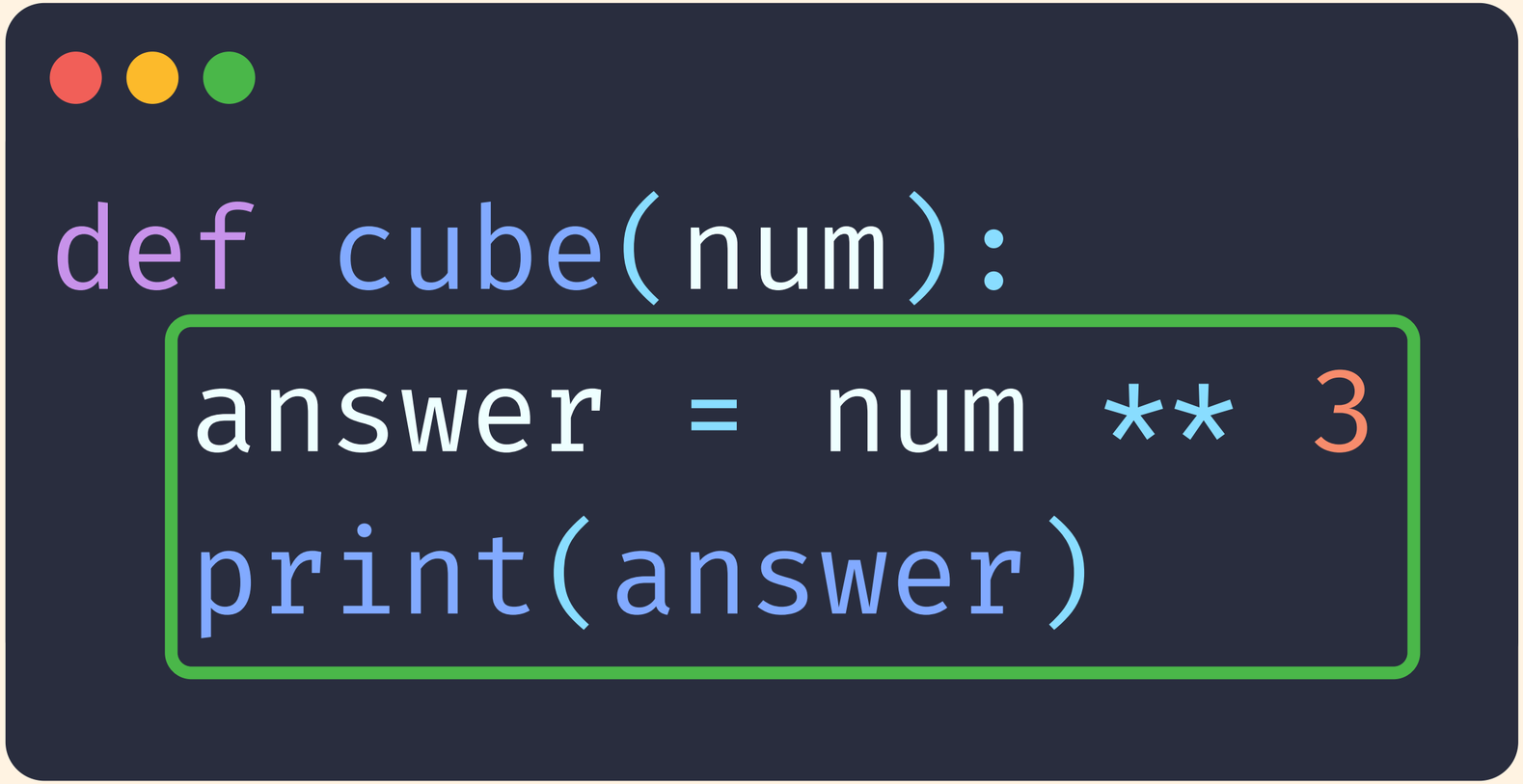

LEGB
Lexical
Enclosing
Global
Built-In

Global Scope



Variables declared outside of functions are in the global scope. All functions have access to them.

Local Scope



Variables defined in a function are **scoped to that function.**
They are not available outside that function!

Enclosing Scope

```
def outside():
    a = 10
    def inside():
        print("a is: ", a)
    inside()
```

Nested "inner" functions have access to variables declared in outer parent functions

Built-In Scope

All the built-in objects in Python are in the Built-In Scope. We have access to them anywhere!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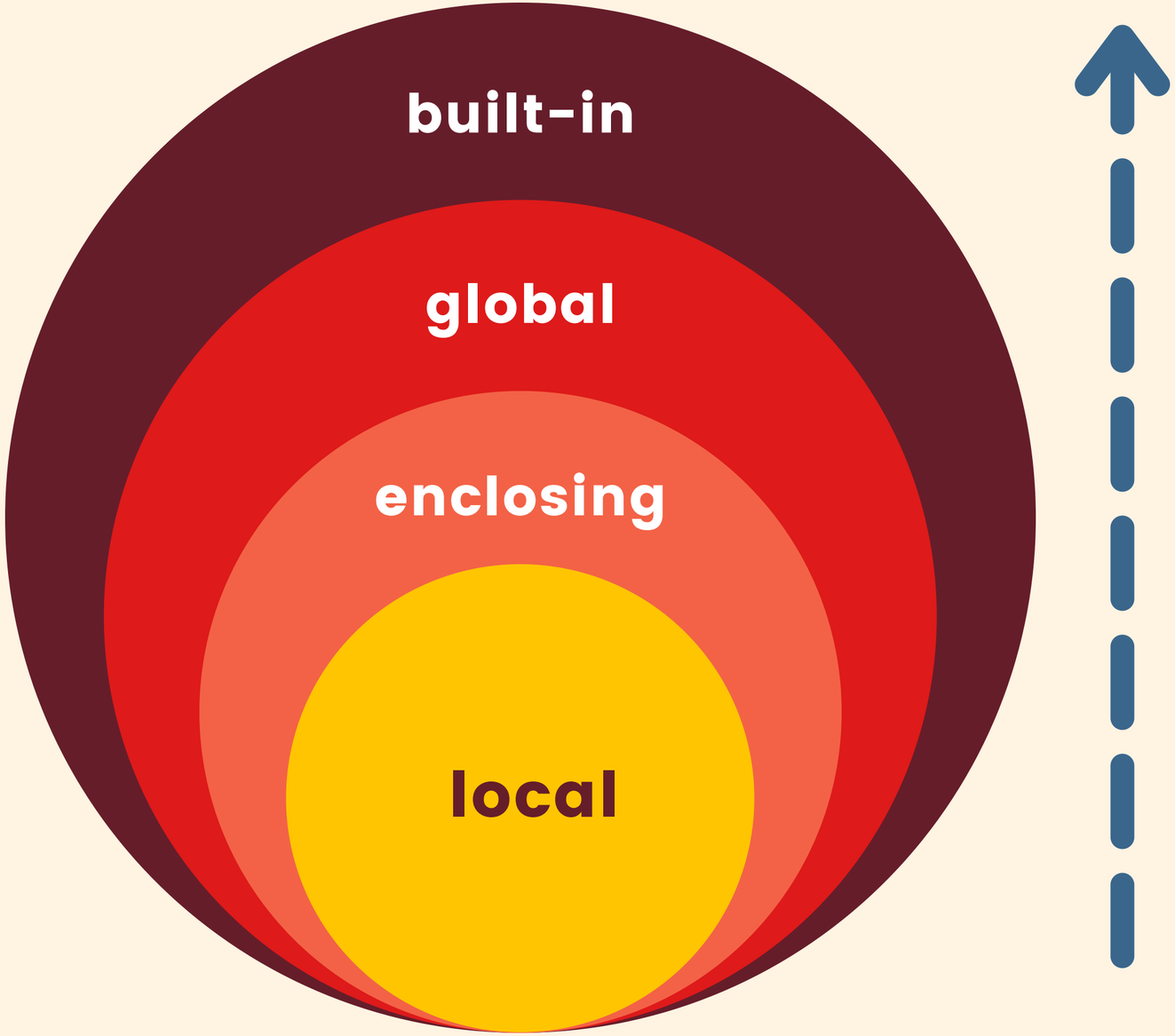
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