

What Would Python Print?

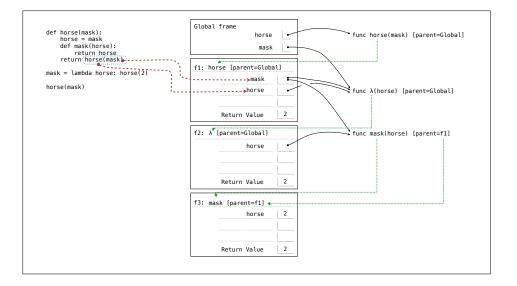
The print function returns None. It also displays its arguments (separated by spaces) when it is called.

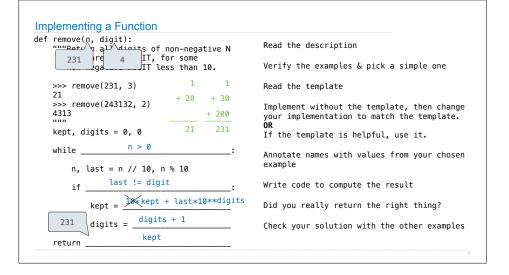
<pre>from operator import add, mul def square(x):</pre>	This expression	Evaluates to	Output
A function that always returns the identity function	add(<u>pirate(3)</u> (square)(4), 1) func square(x) 16	17	Matey 17
def [pirate(arggg): print('matey') def plunder(arggg): return arggg return plunder	<pre>pirate(pirate(pirate))(5)(7)</pre>	Error	Matey Matey Error

Interactive

A name evaluates to the value bound to that name in the earliest frame of the current environment in which that name is found.

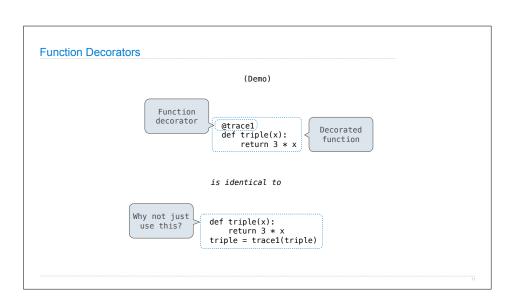






```
Implementing a Function
def remove(n, digit):
"""Path a all digits of non-negative N

231 re 3 IT, for some
IT less than 10.
                                                    Read the description
                                                    Verify the examples & pick a simple one
    >>> remove(231, 3)
                                                    Read the template
    21
    >>> remove(243132, 2)
                                                    Implement without the template, then change
    4313
                                                    your implementation to match the template.
    kept, digits = 0, 0
                                                    If the template is helpful, use it.
    while _____ n > 0
                                                    Annotate names with values from your chosen
                                                    example
         n, last = n // 10, n % 10
                last != digit
                                                    Write code to compute the result
                        kept/10 + last
                                                    Did you really return the right thing?
             kept = _
            digits = __digits + 1
      21
                                                    Check your solution with the other examples
             round(kept * 10 ** (digits-1))
     return _
```



Decorators