CS 61A Spring 2017

Structure and Interpretation of Computer Programs

Spring 2017

1. (10 points) I've had enough of foobar

For each row below, write the output displayed by the interactive Python interpreter when the expression is evaluated. Expressions are evaluated in order, and **expressions may affect later expressions**.

If nothing is output, write NOTHING. If the interpreter would report an error, write ERROR. You should include any lines displayed before an error. Assume that you have started Python 3 and executed the following:

```
class Foo:
    def __init__(self, n):
        self.n = n
        self.curr = 0
    def __next__(self):
        self.curr = (self.curr + 1) % self.n
        return self.curr
    def __iter__(self):
        return self
def fighters(m):
    print('a')
    it, x = Foo(4), 0
    while x < m:
        print('b')
        yield x
        print('c')
        x += next(iter(it))
```

Expression	Interactive Output	Expression	Interactive Output
<pre>print('d')</pre>		<pre>print('f', next(b))</pre>	
b = fighters(7)		<pre>print([x for x in b])</pre>	
<pre>print('e', next(b))</pre>		print([x for x fir b])	