

## 1. Quarantine Dieting

For each of the expressions in the table below, write the output displayed by the interactive Python interpreter when the expression is evaluated. The output may have multiple lines. If an error occurs, write “Error”, but include all output displayed before the error. If a function value is displayed, write “Function”.

Assume that you have started python3 and executed the following statements. Also assume that **effects from a previous subpart persist to future subparts**.

```
class VendingMachine:
    k = 0
    def __init__(self, k, v):
        self.soda = JunkDrink(self)
        self.k = k
        if v:
            print(isinstance(self.soda.machine, VendingMachine))
```

```
class JunkDrink:
    def __init__(self, machine):
        self.machine = machine
```

```
a = VendingMachine(1, False)
b = VendingMachine.__init__(a, 2, False)
VendingMachine.__init__(VendingMachine, 10, False)
```

Expression	Interactive Output
a.k	
b.k	
VendingMachine.k	
isinstance(b, VendingMachine)	
a is a.soda.machine	
VendingMachine is a.soda.machine	
c = VendingMachine c.__init__(c, 11, True)	
c.soda.machine is VendingMachine	
a.k == c.k	
c.soda.machine.k	