

Review Questions

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1 Print & Return Example

```
1 def functionA(n):
2     print('statement 1')
3     print('statement 2')
4     if n > 0:
5         return n+1
6     print('statement 3')
7     # functionA(-1)
8     'statement 1'
9     'statement 2'
10    'statement 3'
11    # returns None
12
13    # functionA(5)
14    'statement 1'
15    'statement 2'
16    # returns 6
```

2

```
1 def functionA(listA, operatorA):
2     try:
3         assert operatorA in "*/+", "Invalid Operator"
4         functionB(listA, operatorA)
5     except TypeError:
6         print("Warning: operands incompatible")
7     except IndexError:
8         print("Warning: incorrect number of operands")
9     except ZeroDivisionError:
10        print("Warning: cannot divide by zero")
11    except AssertionError as e:
12        print(e.args[0])
13    print("Done A")
14
15 def functionB(listB, operatorB):
16     try:
17         if operatorB == "*":
18             result = listB[0] * listB[1]
19         elif operatorB == "/":
20             result of listB[0] / listB[1]
21         elif operatorB == "+":
22             result = listB[0] + listB[1]
23     except:
24         raise
25     else:
26         print(result)
27     finally:
28         print("Finished B")
29
30 # functionA(["hi", 2], "*")
31 "hihi"
32 "Finished B"
33 "Done A"
```

```
34
35 # functionA(["hello", 2], "+")
36 "Finished B"
37 "Warning: operands incompatible" # TypeError raised
38 "Done A"
39
40 # if NameError raised, NameError raised up through error handling clauses ("Done A is not
    printed")
41
42 # functionA([5, 2], '/')
43 AssertionError: "Invalid Operator"
```