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## Exercise 3

Finger Exercises due Aug 5, 2020 20:30 -03

### Exercise 3

22/24 points (graded)

**ESTIMATED TIME TO COMPLETE: 20 minutes**

Below is a transcript of a session with the Python shell. Provide the type and value of the expressions being evaluated inside the `print`. If evaluating an expression would cause an error, select `NoneType` and write `error` in the box. If the result is a function, select `function` and write `function` in the box. As always, try to do this problem by hand before turning to your interpreter for help.

Assume the following definitions have been made:



```
class Weird(object):
    def __init__(self, x, y):
        self.y = y
        self.x = x
    def getX(self):
        return x
    def getY(self):
        return y
```

```
class Wild(object):
    def __init__(self, x, y):
        self.y = y
        self.x = x
    def getX(self):
        return self.x
    def getY(self):
        return self.y
```

X = 7

Y = 8

1. `w1 = Weird(X, Y)`  
`print(w1.getX())`

NoneType

✓ Answer: NoneType

error

✓ Answer: error

2. `print(w1.getY())`

NoneType

✓ Answer: NoneType

error

✓ Answer: error

3. `w2 = Wild(X, Y)`  
`print(w2.getX())`

int

✓ Answer: int

7

✓ Answer: 7



4. `print(w2.getY())`

int

✓ Answer: int

8

✓ Answer: 8

5. `w3 = Wild(17, 18)`  
`print(w3.getX())`

int

✓ Answer: int

17

✓ Answer: 17

6. `print(w3.getY())`

Selecione uma opção

✗ Answer: int

18

✓ Answer: 18

7. `w4 = Wild(X, 18)`  
`print(w4.getX())`

Selecione uma opção

✗ Answer: int

7

✓ Answer: 7

8. `print(w4.getY())`

int

✓ Answer: int

18

✓ Answer: 18

9. `X = w4.getX() + w3.getX() + w2.getX()`  
`print(X)`

int

✓ Answer: int



31

✓ Answer: 31

10. `print(w4.getX())`

int

✓ Answer: int

7

✓ Answer: 7

11. `Y = w4.getY() + w3.getY()`  
`Y = Y + w2.getY()`  
`print(Y)`

int

✓ Answer: int

44

✓ Answer: 44

12. `print(w2.getY())`

int

✓ Answer: int

8

✓ Answer: 8

Enviar

**i** Answers are displayed within the problem

## Exercise 3

Topic: Lecture 9 / Exercise 3

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✓ Question 10

In question 7, the code uses the value for X that is given in the main code at the top. Then we change...

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