



< Previous



Next >

Exercise 3

🔖 Bookmark this page



Hide Notes

Exercise 3

24/24 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` 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` ✓`error` ✓

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

`NoneType` ✓`error` ✓

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

`int` ✓`7` ✓

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

`int` ✓`8` ✓

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

int 



17



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

int 



18



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

int 



7



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

int 



18



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

int 



31



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

int 



7



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

int 



44



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

int 



8



Submit

 Hide Notes

Exercise 3

Topic: Lecture 9 / Exercise 3

Hide Discussion

Add a Post

Show all posts	by recent activity
<p>? <u>why does it give an error?</u> <code>w1 = Weird(X, Y) print(w1.getX())</code></p>	6
<p>? <u>What logic applies to whether the value of X or Y is updated for instances w2 and w4? (questions 10 and 12)</u> <u>Its either updated or not but what rule do you apply to know this?</u></p>	5

< Previous

Next >

© All Rights Reserved



edX

- About
- Affiliates
- edX for Business
- Open edX
- Careers
- News

Legal

- Terms of Service & Honor Code
- Privacy Policy
- Accessibility Policy
- Trademark Policy
- Sitemap

Connect

- Blog
- Contact Us
- Help Center
- Media Kit



Hide Notes

