

L11 PROBLEM 3 (5/5 points)

Below is a transcript of a session with the Python shell. Provide the type and value of the expressions being evaluated. 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
```

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

`NoneType` ▼ `NoneType`

`error`

Answer: error

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

`NoneType` ▼ `NoneType`

`error`

Answer: error

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

`int` ▼ `int`

`7`

Answer: 7

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

`int` ▼ `int`

Answer: 8

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

 Answer: 17

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

 Answer: 18

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

 Answer: 7

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

 Answer: 18

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

 Answer: 31

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

 Answer: 7

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

 Answer: 44

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

 Answer: 8

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