

1. Which of the following is an appropriate definition for the function `double` that returns two times the number it is passed?

- a) `def double(x):  
    return 2 * x`
- b) `double(x) = return 2 * x`
- c) `double(x) = 2 * x`
- d) `def double(x):  
    2 * x`

2. Consider this code: `x = 8 / 4`

What value does `x` refer to?

- a) 2
- b) 2.0
- c) 0.5
- d) 1

3. Consider this code: `x = 8 // 4`

What value does `x` refer to?

- a) 2.0
- b) 4.0
- c) 2
- d) 1

4. Consider the code: `x = 9 / 4`

What value does `x` refer to?

- a. 2.25
- b. 2.2
- c. 2.3
- d. 2

5. Consider this code:

```
x = 3
```

```
y = 5
```

```
x = y
```

After the code above has executed, what value does `x` refer to?

- a) 3
- b) 3.0
- c) 5
- d) 5.0

6. Consider this code:

```
x = 3
```

```
y = 5
```

```
x = y
```

After the code above has executed, what value does `y` refer to?

- a. 3
- b. 3.0
- c. 5
- d. 5.0

7. Consider: `8 = x`

When the code above is executed, what type of error occurs?

- a) Syntax Error
- b) Name Error

8. Consider: `apple = banana`

When the code above is executed, what type of error occurs?

- a) Syntax Error
- b) Name Error

9. From questions 7 and 8, plus the python documentation, what is the difference between a Syntax Error and a Name Error?

10. Select the statement(s) that will result in a `SyntaxError`.

- a. `earthquake_greeting = "I'm feeling a bit shaky"`
- b. `earthquake_greeting = 'I'm feeling a bit shaky'`
- c. `earthquake_greeting = "I\'m feeling a bit shaky"`
- d. `earthquake_greeting = 'I\'m feeling a bit shaky'`