

✔ Congratulations! You passed!

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Go to next item

1. What is the value of x after the following lines of code?

1 / 1 point

```
x=2
```

```
x=x+2
```

☒ 4

☐ 2

✔ Correct

Correct: the value `x=x+2` changes the value of x, if x is assigned to its self. It's helpful to replace the value of x with its current value in this case 2 or `x=2+2`.

2. What is the result of the following operation `1+3*2` ?

1 / 1 point

☒ 7

☐ 12

☐ 8

✔ Correct

Correct, Python follows the standard mathematical conventions

3. What is the type of the following `"7.1"`

1 / 1 point

☐ What is the type of the following `"7.1"`

☐ float

☒ string

✔ Correct

correct, the type is string

4. What is the result of the following code segment: `int(True)`

1 / 1 point

☒ 1

☐ 0

☐ error

✔ Correct

correct, when you cast a boolean **True** to an integer you get a 1

5. In Python, what is the result of the following operation: `'1'+'2'` ?

1 / 1 point

☐ 3

☐ '3'

☒ '12'

✔ Correct

correct, the '+' applied to strings does not add strings but concatenates them

6. Given `myvar = 'hello'` , how would you return `myvar` as uppercase?

1 / 1 point

☐ `len(myvar)`

☐ `myvar.find('hello')`

☒ `myvar.upper()`

✔ Correct

correct

7. What is the result of the following : `str(1)+str(1)` ?

1 / 1 point

☒ '11'

☐ 2

✓ Correct

correct, the integers are cast to a string, and the strings are concatenated

8. What is the result of the following: `"123".replace("12", "ab")` ?

1 / 1 point

☒ 'ab3'

☐ '123ab'

✓ Correct

correct, the method `replace` returns a copy of the string with all occurrences of the old substring

9. In Python 3, what is the type of the variable `x` after the following: `x=2/2` ?

1 / 1 point

☒ float

☐ int

✓ Correct

correct, in Python 3, regular division always results in a float