Quiz 2

Instructions

1. Answer all questions.
2. Since this is a practice quiz, it's an exercise, so you **may** work on it together.
3. However, I'd **recommend** you complete it yourself under test-like conditions, without accessing any external resources (the course website, a Python interpreter, etc.) until after you've finished.

Variables

Printing variables

VERSION A | VERSION B | VERSION C | VERSION D | VERSION E | VERSION F | VERSION G | VERSION H

What will the following Python script output when run?

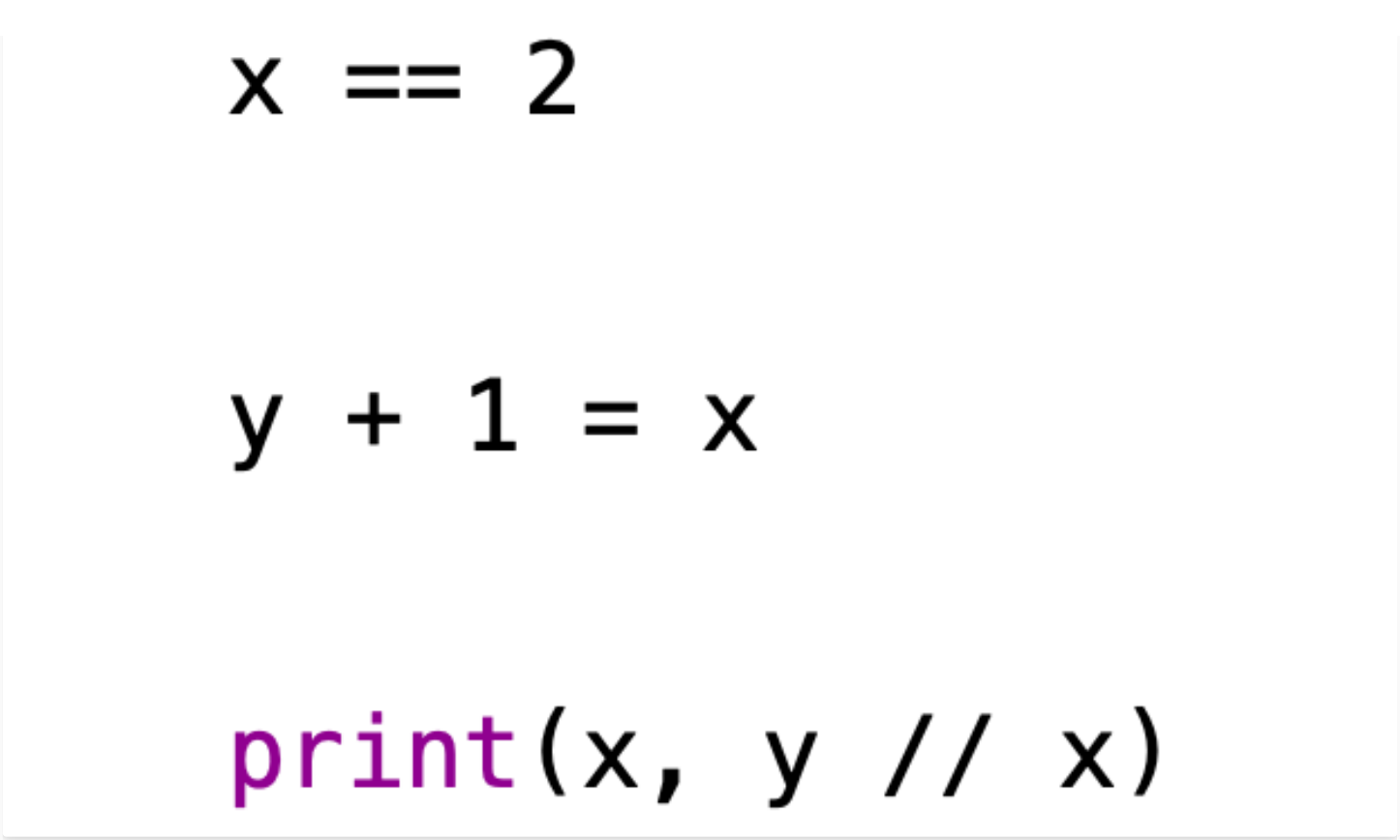
```
x = 10
y = x / 2 + 3

x = 20
print(x + y)
```

Syntax error (variables)

VERSION A | VERSION B

Click / tap on the syntax error in the following Python script.

```
x = 2
```



Conditional flow control

Conditional output

VERSION A | VERSION B | VERSION C | VERSION D

What will the following Python script output?

```
p = True
q = False

if p and q:
    print('and')

elif not q:
    print('not')

if p ^ q:
    print('xor')

elif p or q:
    print('or')
```

A	and

B	not
C	xor
D	or

Syntax error (if)

VERSION A | VERSION B

Click or tap on the syntax error in the Python script below.

```
n = int(input('Enter an integer: '))

if n > 10:
    n //= 2

elif n > 15:
    n += 2

else n > 2:
    n -= 1
```

Loops

Consider the following Python script:

```
n = 10

while n > 0:
    print(n)
    n += 3
    n = n % 5
```

Script output (loop)

VERSION A | VERSION B | VERSION C | VERSION D | VERSION E | VERSION F | VERSION G

```
n = 10

while n > 0:
    print(n)
    n += 3
```

What is the fourth value (counting from 1) that this script will print?

Loop error

Show Correct Answer | Show Responses

What is wrong with the following Python script?

```
x = 0

while True:
    s = input('Enter an integer: ')
```

```
    if not s:
        break

    x *= int(s)
    print(x)
```

A	`x = 0` — logical error
B	`while True` — will cause an infinite loop
C	`input()` — called without immediate conversion
D	`if not s` — syntax error
E	`break` — syntax error
F	`x *=` — syntax error
G	`int(s)` — can't use `int` here
H	`print(x)` — should not print here