Week 3 Quiz

1. Assume that we have typed the following in the Python shell:

>>> x = 'chemistry'

>>> x[3]

What will be printed on the screen as a result?

    a. h
    b. e
    c. i
    d. m

2. Assume that we have typed the following in the Python shell:

>>> x = 'chemistry'

>>> 'i' in x

What will be printed on the screen as a result?

    a. 4
    b. 5
    c. True
    d. 6

3. Assume that we have typed the following in the Python shell:

>>> x = '3'

>>> y = '4'

>>> x + y * 2

What will be printed on the screen as a result?

    a. 7
    b. '344'
    c. 11
    d. '3434'

4. Assume that we have typed the following in the Python shell:

>>> x = [1, 2]

>>> y = [3, 4]

>>> x.append(y)

>>> X

What will be printed on the screen as a result?

    a. [3, 4]
    b. [1, 2]
    c. [1, 2, 3, 4]
    d. [1, 2, [3, 4]]

5. Assume that the following Python program is executed:

C = 0

for i in 'hello, world!':

    if i == 'o':

        C = C + 1

print c

What will be printed on the screen as a result?

    a. 0
    b. 2
    c. 3
    d. 4

6. Assume that the following Python program is executed:

res = []

def merge(a, b):

    return a + b

for x in [1, 2]:

    for y in [3, 4]:

        res. append(merge(x, y))

print (res)

What will be printed on the screen as a result?

    a. [4, 5, 5, 6]
    b. [1, 2, 3, 4]
    c. [13, 14, 23, 24]
    d. [1, 2, 5, 6]

7. Correct indentation is essential for your Python program to work.

- **True**
- False

8. Raspberry Pi can execute Python 3 code, but not Python 2.

- True
- **False**