**Quiz 1.1**

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Question 1

1/1 punto (calificado)

What data types are available in Python?

Multiple answers may be correct

Integer

Character

String

Float

Correcto (1/1 punto)

Question 2

1/1 punto (calificado)

What is the precedence of the logical operators in Python?.

Which operator is evaluated first?.

AND, OR, NOT

NOT, AND, OR correcto

OR, AND, NOT

AND, NOT, OR

Correcto (1/1 punto)

Question 3

1/1 punto (calificado)

If a='3', then the solution to a\*2 is

ERROR

6

'33' correcto

'6'

Correcto (1/1 punto)

Question 4

1/1 punto (calificado)

What is the solution of len("Hi there!")\*2\*\*3/4  correcto

Enviar

Correcto (1/1 punto)

Question 5

1/1 punto (calificado)

When dividing two int types in Python 3, the result is of which type?|

int

float correcto

str

Correcto (1/1 punto)

Question 6

1/1 punto (calificado)

y = 5%2 What is the value of y?

You can add an optional tip or note related to the prompt like this.

2

3

1 correcto

2.0

3.0

1.0

Correcto (1/1 punto)

## Quiz 1.2

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### Question 1

1/1 punto (calificado)

What is the output of the below program ?

x = 1

def change(x):

x = 2

x = 3

change(x)

print(x)

1

2

3 correcto

Error

Correcto (1/1 punto)

### Question 2

1/1 punto (calificado)

What is the output of this program?

def func(a, b=1, c=3):

print(a, b, c)

func(1, 2)

func(5, c = 6)



ERROR



1, 2, 3

5, 1, 6

correcto



1, 2, 3

5, 5, 6



1, 2, 2

5, 1, 6

Correcto (1/1 punto)

### Question 3

1/1 punto (calificado)

Consider the following incomplete code:

def func(x):

# Missing body

print(func(1))

Which of the following can replace the comment containing "Missing body" for the program to print only the result 1?

print("x")

return x correcto

return "x"

print(x)

Correcto (1/1 punto)

### Question 4

1/1 punto (calificado)

Why is it a good idea to use functions in a program?

To reduce duplication of code

To improve code readability

To promote reuse of code

To hide program logic from other users of the function or program

All of the above correcto

Correcto (1/1 punto)

## Week 2.1 Quiz

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### Question 1

1/1 punto (calificado)

The possible ways of initializing a variable as an empty list are

multiple answers can be right

x = []

x = [None]

x = list()

x = list([])

Correcto (1/1 punto)

### Question 2

1/1 punto (calificado)

Suppose list1 is [1, 2, 3, 4, 5, 6, 7]. Which of the following is a valid syntax for slicing ?

Multiple answers can be right

list1[0]

list1[:2]

list1[:-2]

list1[3:5]

Correcto (1/1 punto)

### Question 3

1/1 punto (calificado)

What is the output?

data = [[[1, 2], [3, 4]], [[5, 6], [7, 8]]]

print(data[1][0][0])

1

2

6

5 correcto

Correcto (1/1 punto)

### Question 4

1/1 punto (calificado)

What is the output?

numbers = [1, 2, 3, 4]

numbers.append([5, 6, 7, 8])

print(len(numbers))

4

5 correcto

8

7

Correcto (1/1 punto)

## Quiz 2.2

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### Question 1

1/1 punto (calificado)

Which of the following types are immutable?

More than one option may be correct

List

Dictionary

Tuples

Sets

Correcto (1/1 punto)

### Question 2

1/1 punto (calificado)

Suppose dict1 = {"john":40, "peter":45} and dict2 = {"john":466, "peter":45}, dict1 > dict2 is \_\_\_\_\_\_\_.

True

False

ERROR correcto

Correcto (1/1 punto)

### Question 3

1/1 punto (calificado)

Suppose dict1 = {"a":1, "b":2}, to delete the entry for "a":1, use \_\_\_\_\_\_\_\_.

d.delete("a":1)

dict1.delete("a")

del dict1("a":1)

del dict1["a"] correcto

Correcto (1/1 punto)

### Question 4

1/1 punto (calificado)

Suppose s = {1, 2, 4, 3}, which of the following will result in an exception (error)?

Multiple options may be correct.

print(s[3])

print(max(s))

print(len(s))

s[3] = 45

Correcto (1/1 punto)

## Quiz 2.3

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### Question 1

0/1 punto (calificado)

What are the various classes available in the datetime library?

More than one option may be correct.

time

date

datetime

timedelta

Mostrar Respuesta

### Question 2

1/1 punto (calificado)

Is this code correct?

import datetime as datetime

t1 = datetime.datetime.now().time()

t2 = datetime.timedelta(seconds=5)

t1+t2

Yes

No correcto

Can't say.

Correcto (1/1 punto)

Revisión

### Question 3

1/1 punto (calificado)

In strptime, what does %B specify?

https://docs.python.org/3.5/library/datetime.html

Full weekday (e.g., Monday)

Abbreviated weekday (e.g., Mon)

Full month (e.g., April) correcto

Abbreviated month (e.g., Apr)

Correcto (1/1 punto)

Revisión

### Question 4

0/1 punto (calificado)

Can timedelta be negative?

No

Yes correcto

## Quiz 3.1

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### Question 1

0/1 punto (calificado)

When we work with data (such as in json) we need serialization to:

Work with series of data

Work with objects and instancesincorrecto

Save data to files or for transmitting over the internet correcto

Order the data in a serial way

Enviar

Correcto (1/1 punto)

Revisión

### Question 2

1/1 punto (calificado)

Which of the following is a valid JSON object?

'[{"ticker":"AAPL", "value":139.78, "change": "+0.59%"}]' correcto

"AAPL 139.78 +0.59% "

"{ticker = ‘AAPL’, value = 139.78, change = '+0.59%'}"

Enviar

Correcto (1/1 punto)

Revisión

### Question 3

0/1 punto (calificado)

Consider the following JSON string:

x='[[{"equity":{["ticker":"AAPL", "value":139.78, "change": "+0.59%"]}],"option":[{"ticker":"AAPLOCT17120","value":21.22,"change":"-2.4%"}]}]]'

Assuming that the json library has already been imported into the program, the command json.loads(x) will return

a python list

a python dictionary

the program will throw an exception

Enviar

### Question 4

1/1 punto (calificado)

Consider the following JSON data:

y=json.loads('[[{"equity":[{"ticker":"AAPL", "value":139.78, "change": "+0.59%"}],"option":[{"ticker":"AAPLOCT17120","value":21.22,"change":"-2.4%"}]}]]')

Which command will correctly return the value of AAPLOCT17120?

y[0][0]['option']['value']

y[0][0]['option'][0]['value']

y[0]['option'][0]['value']

y[0]['option']['value']

## Quiz 3.2

 Marcar esta página

### Question 1

0/1 punto (calificado)

The basic XML components are (check all the correct responses):

Tagged elements (nested) correcto

Attributes correcto

Text (content) correcto

Dictionaries

Enviar

Answers are displayed within the problem

Revisión

### Question 2

0/1 punto (calificado)

The correct way to iterate over all tags in an XML tree my\_tree is:

for element in my\_tree.elements():

for element in root:

for element in my\_tree.iter('root'):

for element in my\_tree.iter(): correcto

Enviar

Ha realizado 1 de 1 intentoAlgunos problemas tienen opciones como guardar, restablecer, sugerencias o mostrar respuesta. Estas opciones aparecen después de oprimir el botón Enviar.

Mostrar Respuesta

Answers are displayed within the problem

Revisión

### Question 3

0/1 punto (calificado)

For the XML tree given below, what will the instruction ***root.find("Book/Remark").text*** return? 

An error because the find returns the first matching element and the first matching element has no remark tag

Five Hundred Buildings of New York and over one million other books are available for Amazon Kindle. correcto

An error because the XML Path is not properly constructed

Enviar

Answers are displayed within the problem

Revisión

### Question 4

1/1 punto (calificado)

In an XML tree, content knowledge can only reside in the leaves

True

False correcto

### Question 1

1/1 punto (calificado)

What will the following Python code that references the beautifulsoup library print?

from bs4 import BeautifulSoup

text='<div class\_="special"> <a href="http://www.somelink.com">Special link</a>'

print(BeautifulSoup(text).find\_all('div',class\_="special").get\_text())

Special link

http://www.somelink.com



<div class\_="special">

The code will result in an error correcto

Ha realizado 1 de 1 intento Algunos problemas tienen opciones como guardar, restablecer, sugerencias o mostrar respuesta. Estas opciones aparecen después de oprimir el botón Enviar.

Correcto (1/1 punto)

### Question 2

1/1 punto (calificado)

Jack Hill is writing a web crawler that crawls the web looking for links that don’t work. Starting from an initial page, his program reads the links on the page and tries to follow them to see whether the link is broken or not. Which of the following pieces of code is the correct way to do this (assuming a single link is contained in the variable url)



if requests.get(url):

continue

else:

non\_working\_links.append(url)



try:

requests.get(url)

except:

non\_working\_links.append(url)

correcto

Ha realizado 1 de 1 intento Algunos problemas tienen opciones como guardar, restablecer, sugerencias o mostrar respuesta. Estas opciones aparecen después de oprimir el botón Enviar.

Correcto (1/1 punto)

### Question 3

0/1 punto (calificado)

When must we use a requests.session object while web scraping?

When we want to use cookies while accessing multiple pages on the same server

When the page is too big to be loaded in BeautifulSoup

When there is Javascript that we have to execute in the page

In all of the above cases incorrecto

Ha realizado 1 de 1 intento Algunos problemas tienen opciones como guardar, restablecer, sugerencias o mostrar respuesta. Estas opciones aparecen después de oprimir el botón Enviar.

### Question 4

1/1 punto (calificado)

Which of the following indicates that requests.get has successfully retreived a page?

400

200 correcto

500

404

Ha realizado 1 de 1 intento Algunos problemas tienen opciones como guardar, restablecer, sugerencias o mostrar respuesta. Estas opciones aparecen después de oprimir el botón Enviar.

Correcto (1/1 punto)