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Test Name:	Data Science (Python) Week 3
Taken On:	11 Sep 2020 15:26:44 EDT
Time Taken:	42 min 10 sec/ 60 min
Work Experience:	> 5 years
Invited by:	TTS
Skills Score:	
Tags Score:	<div>Easy10/10</div> <div>Language Proficiency5/5</div> <div>Python65/75</div>

86.7%

65/75

scored in **Data Science (Python) Week 3** in 42 min 10 sec on 11 Sep 2020 15:26:44 EDT

Recruiter/Team Comments:

No Comments.

	Question Description	Time Taken	Score	Status
Q1	What is the output of the following? > Multiple Choice	3 min 31 sec	5/ 5	✓
Q2	What is the difference between range() and xrange() in Python 3? > Multiple Choice	2 min 20 sec	5/ 5	✓
Q3	What is the output of the following? > Multiple Choice	1 min 54 sec	5/ 5	✓
Q4	What is the output of the following? > Multiple Choice	2 min 5 sec	5/ 5	✓
Q5	What is required when creating a higher order function in Python? > Multiple Choice	4 min 3 sec	5/ 5	✓
Q6	What is the datatype of the following object? > Multiple Choice	1 min 32 sec	5/ 5	✓
Q7	Which of the following expressions causes a list indexing error? > Multiple Choice	4 min 41 sec	5/ 5	✓
Q8	What is the output of the following? > Multiple Choice	59 sec	0/ 5	✗
Q9	How many return statements are allowed in a Python function? > Multiple Choice	1 min 24 sec	0/ 5	✗
Q10	Which of the following is not a core datatype? > Multiple Choice	2 min 52 sec	5/ 5	✓
Q11	Which of the following statements will output: > Multiple Choice	6 min 35 sec	5/ 5	✓
Q12	What is the value of 'a' at the end of the loop? > Multiple Choice	1 min 30 sec	5/ 5	✓

Q13	Global Variable > Multiple Choice	4 min 5 sec	5/ 5	✓
Q14	What is the expected output? > Multiple Choice	2 min 50 sec	5/ 5	✓
Q15	What is the output of the following? > Multiple Choice	1 min 27 sec	5/ 5	✓

QUESTION 1

✓
Correct Answer

Score 5

What is the output of the following? > Multiple Choice Python

QUESTION DESCRIPTION

What will strange(1230) return?

```
def strange(j):
    k = 0
    while j > 0:
        k = 10 * k + j % 10
        j = j // 10
    return k
```

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☐ 0
☐ 123
☒ 321
☐ 1230
☐ 3210

No Comments

QUESTION 2

✓
Correct Answer

Score 5

What is the difference between range() and xrange() in Python 3? > Multiple Choice Python

QUESTION DESCRIPTION

What is the difference between range() and xrange() in Python 3?

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☐ range() returns an object and xrange() returns a list
☐ range() returns a list and xrange() returns an object
☒ xrange() does not exist and range() returns an object
☐ xrange() does not exist and range() returns a list

No Comments

QUESTION 3

Correct Answer

Score 5

What is the output of the following? > Multiple Choice

Python

QUESTION DESCRIPTION

Given the function below:

```
def example(val):  
    val = val + '4'  
    val = val*2  
    return val
```

What is the output of
>>>example("jump")

CANDIDATE ANSWER**Options:** (Expected answer indicated with a tick)

- ☐ jump4jump4
- ☐ jump4
- ☐ cannot concatenate 'str' and 'int' objects
- ☒ IndentationError: unexpected indent

No Comments

QUESTION 4

Correct Answer

Score 5

What is the output of the following? > Multiple Choice

Python

QUESTION DESCRIPTION

What is the expected output?


```
foo = [1,2,3,'a',None,(),[],]  
print(len(foo))
```

CANDIDATE ANSWER**Options:** (Expected answer indicated with a tick)

- ☐ syntax error
- ☐ 6
- ☒ 7
- ☐ 8

No Comments

QUESTION 5



Correct Answer

Score 5

What is required when creating a higher order function in Python? > Multiple Choice

Python

QUESTION DESCRIPTION


What is required when creating a higher order function in Python?

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☐ Nothing additional is required

☐ import operfunc module




☒ import functools module

☐ Not possible

No Comments

QUESTION 6



Correct Answer

Score 5

What is the datatype of the following object? > Multiple Choice

Python


QUESTION DESCRIPTION

What is the datatype of the following object?

obj = [1,15,"hello","30"]

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)



☒ List

☐ Dictionary

☐ Array

☐ Tuple

No Comments

QUESTION 7

Correct Answer

Score 5

Which of the following expressions causes a list indexing error? > Multiple Choice

Python

QUESTION DESCRIPTION

Which of the following expressions causes a list indexing error?

CANDIDATE ANSWER**Options:** (Expected answer indicated with a tick)

- ☐ foo[-len(foo)]
- ☐ foo[-1]
- ☐ foo[0]
- ☒ foo[len(foo)]

No Comments

QUESTION 8

Wrong Answer

Score 0

What is the output of the following? > Multiple Choice

Python

QUESTION DESCRIPTION

What is the output of the following? (Assuming Python 2.x)


```
print type(3/4)
```

CANDIDATE ANSWER**Options:** (Expected answer indicated with a tick)

- ☒ <type 'int'>
- ☐ <type 'float'>
- ☐ <type 'double'>
- ☐ <type 'fraction'>

No Comments

QUESTION 9


Wrong Answer

Score 0

How many return statements are allowed in a Python function? > Multiple Choice

Python

QUESTION DESCRIPTION

How many return statements are allowed in a Python function?

CANDIDATE ANSWER


Options: (Expected answer indicated with a tick)

☐ 0

☐ 1


☐ 0 or 1

☒ 1 or more

 ☐ Any number

No Comments

QUESTION 10


Correct Answer

Score 5

Which of the following is not a core datatype? > Multiple Choice

Python

QUESTION DESCRIPTION

Which of the following is not a core datatype?


CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☐ Lists

☐ Dictionary

☐ Tuples

 ☒ Class

No Comments

QUESTION 11

Correct Answer

Score 5

Which of the following statements will output: > Multiple Choice Python**QUESTION DESCRIPTION**

Which of the following statements will output:

```
John  
Charles  
Chris
```

CANDIDATE ANSWER**Options:** (Expected answer indicated with a tick)

- ☐ `print("John")
print("Charles")
print("Chris")`
- ☐ `print("John
Charles
Chris")`
- ☒ `print("John\nCharles\nChris")`
- ☐ `print("John\Charles\Chris")`

No Comments

QUESTION 12

Correct Answer

Score 5

What is the value of 'a' at the end of the loop? > Multiple Choice Python**QUESTION DESCRIPTION**

What is the value of 'a' at the end of the loop?


```
a = 0  
for b in range(0,10,2):  
    a += b + 1
```

CANDIDATE ANSWER**Options:** (Expected answer indicated with a tick)

- ☐ 20
- ☒ 25
- ☐ 30
- ☐ 35

No Comments

QUESTION 13



Correct Answer

Score 5

Global Variable > Multiple Choice


PythonLanguage ProficiencyEasy

QUESTION DESCRIPTION

How can we create a variable "foo" to be used globally across all modules.

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☒

☐

Create a module (config.py) and import it to all modules.

☐

Create a separate variable module (var.py), all variables in this file will automatically be imported to all modules.

☐


When declaring the variable, declare as a global variable with 'global'

☐

None of the above

No Comments

QUESTION 14



Correct Answer

Score 5

What is the expected output? > Multiple Choice

Python

QUESTION DESCRIPTION

What is the expected output?

```
b = [0,1,2,3,4,5,6,7,8,9]
print(b[:3])
```

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☐


[2,5,8]

☐

[0,1,2,3]

☐

[7]

☒

[0, 3, 6, 9]

No Comments

QUESTION 15

Correct Answer

Score 5

What is the output of the following? > Multiple Choice

Easy

Python

QUESTION DESCRIPTION

What is the output of the following?

```
print ("foo" * 3)
print (2 ** 3)
```

CANDIDATE ANSWER**Options:** (Expected answer indicated with a tick)

- ☐ foo foo foo
2 2 2
- ☐ foofoofoo
222
- ☐ foo foo foo
8
- ☒ foofoofoo
8

No Comments