Python for Everybody - A Review

LATEST SUBMISSION GRADE

100%

1. What is the most common Unicode encoding when moving data between systems?

    `1 / 1 point`

    ○ UTF-64

    ○ UTF-32

    ○ UTF-16

    ○ UTF-128

    ⦿ UTF-8

    ✓ **Correct**

2. What is the decimal (Base-10) numeric value for the upper case letter "G" in the ASCII character set?

    `1 / 1 point`

    ○ 7

    ○ 2048

    ○ 1771

    ○ 17

    ⦿ 71

    ✓ **Correct**

3. What word does the following sequence of numbers represent in ASCII:

1 / 1 point

108, 105, 115, 116

- ○ lost
- ○ open
- ○ fuss
- ○ http
- ◉ list

✓ **Correct**

4. How are strings stored internally in Python 3?

1 / 1 point

- ○ ASCII
- ○ EBCDIC
- ○ Latin
- ○ UTF-16
- ◉ Unicode

✓ **Correct**

5. When reading data across the network (i.e. from a URL) in Python 3, what method must be used to convert it to the internal format used by strings?

1 / 1 point

- ○ msub()
- ○ more()
- ○ encode()
- ◉ decode()

○ convert()

6. Which of the following lines will never print out regardless of the value of "x"?

1 / 1 point

```
1 ▾ if x < 2 :
2       print("Below 2")
3 ▾ elif x < 0 :
4       print("Negative")
5 ▾ else :
6       print("Something else")
```

○ Something else

⦿ Negative

○ All the lines will print out

○ Below 2

7. Which of the following lines will never print out regardless of the value for x?

1 / 1 point

```
1 ▾ if x < 2 :
2       print("Below 2")
3 ▾ elif x < 20 :
4       print("Below 20")
5 ▾ elif x < 10 :
6       print("Below 10")
7 ▾ else :
8       print("Something else")
```

◉ Below 10

○ Below 20

○ Something else

○ Below 2

✓ **Correct**

8. What would the following Python code sequence print out? `1 / 1 point`

```
1   zap = "hello there bob"
2   print(zap[4])
```

◉ o

○ zap

○ You would get an out-of-range error and the program would fail

○ e

○ l

○ hello

✓ **Correct**

9. Which of the following lines of Python code contains a syntax error?

1 / 1 point

```
1    x = 12
2 ▾  if x < 5:
3    print("smaller")
4 ▾  else:
5        print("bigger")
6    print("all done")
```

3

✓ **Correct**

10. What will the following Python program print out?

1 / 1 point

```
1 ▾  def fred():
2        print("Zap")
3
4 ▾  def jane():
5        print("ABC")
6
7    jane()
8    fred()
9    jane()
```

○ Zap ABC jane fred jane

◉ ABC Zap ABC

○ Zap ABC Zap

○ ABC Zap jane

○ Zap Zap Zap

✓ **Correct**

11. Where in the computer is a variable such as "X" stored?

1 / 1 point

```
1   x = 123
```

○ Output Devices

○ Central processing unit

○ Secondary Memory

○ Input Devices

⦿ Main Memory

✓ **Correct**

12. What is the primary use of the Python dictionary?

1 / 1 point

⦿ To store key / value pairs

○ To insure that all Python reserved words are properly spelled

○ To look up all of the methods which are available on a Python object

○ To make sure that the definitions of the Python reserved words are available in different languages (French, Spanish, etc)

✓ **Correct**

13. What does the following Python code print out?

1 / 1 point

```
1   stuff = ['joseph', 'sally', 'walter', 'tim']
2   print(stuff[2])
```

○ walter

○ sally

○ joseph

○ tim

✓ **Correct**

14. What will the following Python program print out? (This is a bit tricky so look carefully).   **1 / 1 point**

```
1 ▾  def hello():
2         print("Hello")
3         print("There")
4
5    x = 10
6    x = x + 1
```

○ x = 11

● Nothing will print

○ Hello

There

11

○ 11

✓ **Correct**

15. What will the following Python program print out?   **1 / 1 point**

```
1    x = -1
2 ▾  for value in [3, 41, 12, 9, 74, 15] :
3 ▾      if value > x :
4            x = value
5    print(x)
```

○ -1

○ 3

○ 15

◉ 74

○ 9

✓ **Correct**

16. What will the following Python program print out?   **1 / 1 point**

```
1    total = 0
2 ▾  for abc in range(5):
3        total = total + abc
4    print(total)
```

○ 16

○ 6

◉ 10

○ 4

○ 5

✓ **Correct**

17. The following Python code causes a traceback:

```
1   a = "123"
2   b = 456
3   c = a + b
4   print(c)
```

Which line fails with a traceback?

- ● 3
- ○ 1
- ○ 2
- ○ 4

✓ **Correct**

18. In the following example, an error occurs in "line3" that normally causes a traceback if it were not in a try/except.

```
1   line1
2 ▾ try:
3       line2
4       line3
5       line4
6 ▾ except:
7       line5
8   line6
```

What is the sequence of lines executed in this program?

- ○ line1, line2, line3, line6
- ○ line1, line5, line6
- ○ line1, line2, line3, line4, line5, line6
- ○ line1, line4, line5, line6
- ● line1, line2, line3, line5, line6

19. What would the following Python code print out?

1 / 1 point

```
1  abc = "With three words"
2  stuff = abc.split()
3  print(stuff)
```

⦿ ['With', 'three', 'words']

◯ ['With three words']

◯ ['w', 'i', 't', 'h']

◯ ['With', 'three words']

◯ ['With the', 'ee words']

20. What would the following Python code print out?

1 / 1 point

```
1  abc = "With three words"
2  stuff = abc.split()
3  print(len(stuff))
```

⦿ 3

◯ 14

◯ 2

◯ 1

◯ 16

21. Which of the following is not a good synonym for "class" in Python?

1 / 1 point

○ blueprint

○ template

○ pattern

⦿ direction

✓ **Correct**

22. What is "self" typically used in a Python method within a class?

1 / 1 point

○ To set the residual value in an expression where the method is used

○ To terminate a loop

○ The number of parameters to the method

⦿ To refer to the instance in which the method is being called

✓ **Correct**

23. How is a Python socket different than a Python file handle?

1 / 1 point

○ Opening a socket will never fail, while opening a file can fail

⦿ You can read and write using the same socket

○ The socket does not read all of the data when it is opened

✓ **Correct**

24. In the following XML, what is "type"?

1 / 1 point

```
1 ▾ <person>
2       <name>Chuck</name>
3 ▾     <phone type="intl">
4        +1 734 303 4456
5       </phone>
6       <email hide="yes" />
7    </person>
```

◉ An attribute

◯ XML syntax error

◯ Tag

◯ Complex element

◯ Value

◯ Simple element

✓ **Correct**

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25. Which programming language serves as the basis for the JSON syntax?   **1 / 1 point**

◯ PHP

◉ JavaScript

◯ Python

◯ SCALA

◯ Java

✓ **Correct**