✓ **Congratulations! You passed!**
TO PASS 80% or higher

[Keep Learning]

GRADE
96%

Python for Everybody - A Review

LATEST SUBMISSION GRADE

96%

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

   ☐ UTF-16

   ⦿ UTF-8

   ☐ UTF-32

   ☐ UTF-128

   ☐ UTF-64

   ✓ **Correct**

   `1 / 1 point`

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

   ☐ 2048

   ☐ 17

   ☐ 1771

   ☐ 7

   ⦿ 71

   ✓ **Correct**

   `1 / 1 point`

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

   108, 105, 115, 116

   ☐ lost

   ☐ open

   ☐ fuss

   `1 / 1 point`

○ list

○ http

4. How are strings stored internally in Python 3?

1 / 1 point

○ UTF-16

○ ASCII

○ EBCDIC

○ Latin

◉ Unicode

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

○ convert()

○ msub()

○ encode()

◉ decode()

○ more()

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")
```

○ Below 2

○ Something else

○ All the lines will print out

◉ Negative

✓ **Correct**

---

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

1/1 point

```python
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

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

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

◉ o

○ l

○ hello

○ e

○ zap

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

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()
```

○ ABC Zap jane

⦿ ABC Zap ABC

○ Zap Zap Zap

○ Zap ABC jane fred jane

○ Zap ABC Zap

11. Where in the computer is a variable such as "X" stored?   1 / 1 point

```
1   x = 123
```

○ Output Devices

○ Secondary Memory

◉ Main Memory

○ Central processing unit

○ Input Devices

✓ Correct

12. What is the primary use of the Python dictionary?   1 / 1 point

○ 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)

○ To insure that all Python reserved words are properly spelled

◉ To store key / value pairs

✓ Correct

13. What does the following Python code print out?   1 / 1 point

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

○ joseph

◉ walter

○ tim

○ sally

✓ 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

○ 11

○ Hello

    There

    11

✓ Correct

---

15. What will the following Python program print out?
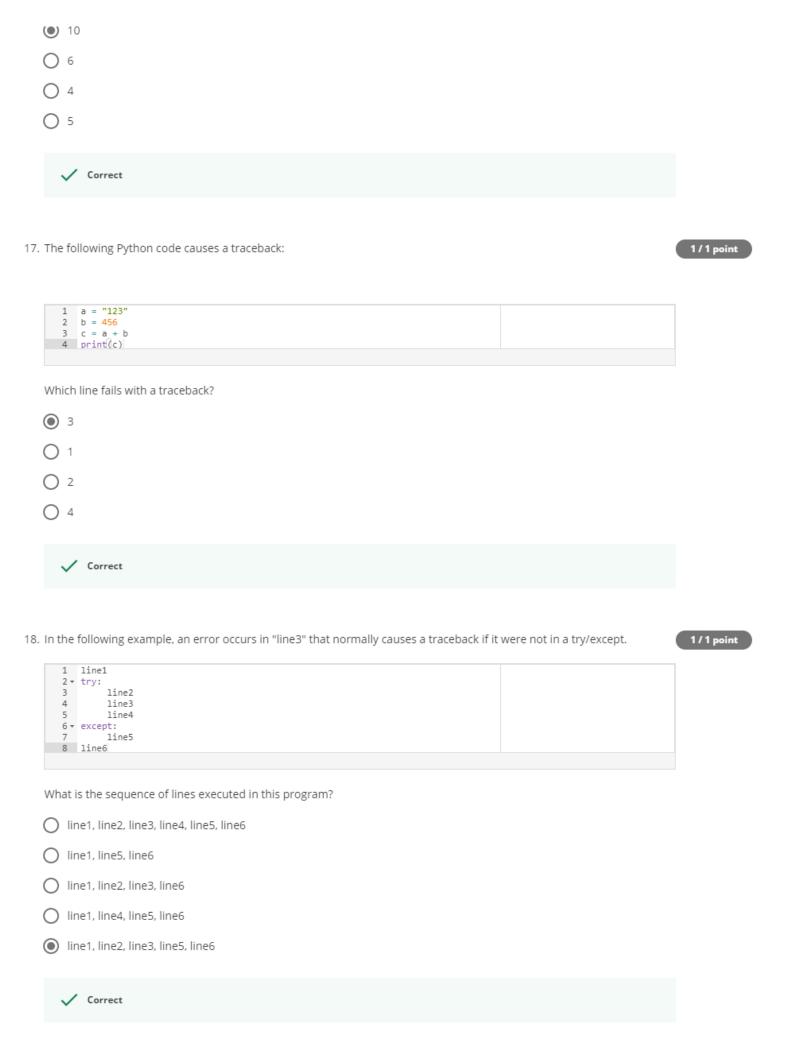
```
1   x = -1
2▾  for value in [3, 41, 12, 9, 74, 15] :
3▾      if value > x :
4           x = value
5   print(x)
```

○ 15

○ -1

○ 3

○ 9

◉ 74

✓ 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

○ 10

○ 6

○ 4

○ 5

✓ **Correct**

17. The following Python code causes a traceback:

1/1 point

```
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.

1/1 point

```
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, line4, line5, line6

○ line1, line5, line6

○ line1, line2, line3, line6

○ line1, line4, line5, line6

⦿ line1, line2, line3, line5, line6

✓ **Correct**

19. What would the following Python code print out?

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

- ○ ['With', 'three words']
- ○ ['With three words']
- ● ['With', 'three', 'words']
- ○ ['w', 'i', 't', 'h']
- ○ ['With the', 'ee words']

✓ Correct

20. What would the following Python code print out?

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

- ○ 2
- ○ 16
- ○ 1
- ○ 14
- ● 3

✓ Correct

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

- ○ pattern
- ● direction
- ○ blueprint
- ○ template

✓ Correct

22. What is "self" typically used in a Python method within a class?   `1 / 1 point`

    ◯ To terminate a loop

    ◯ The number of parameters to the method

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

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

    ✓ **Correct**

23. How is a Python socket different than a Python file handle?   `0 / 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

    ❗ **Incorrect**

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>
```

    ◯ XML syntax error

    ◯ Simple element

    ◯ Tag

    ◯ Complex element

    ◉ An attribute

    ◯ Value

    ✓ **Correct**

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

    ◯ PHP

    ◉ JavaScript

- ◉ JavaScript
- ○ Python
- ○ Java
- ○ SCALA

✓ **Correct**