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QUESTION 1

When creating a new socket using the Python "sockets" module, which of the following parameters is used to specify the socket will send and receive TCP traffic? Choose Two

A. socket.SOCK_STREAM

B. socket. AF_NET

C. socket.SOCK_DGRAM

D. socket.socket

Correct Answer: AB

QUESTION 2

A user enters unexpected data into a program. Which functionality can the programmer use to present an understandable error message to the user?

A. Casting

B. Exception handling

C. Dictionaries

D. Regular expressions

Correct Answer: B

QUESTION 3

An operator able to perform bitwise shifts is coded as (select two answers)

A. -

B. ++

C. >

Correct Answer: CD

QUESTION 4

When using the Python "sockets" module, which of the following calls is used to transmit data to a specific IP address?

A. sendto

B. connect

C. bind

D. try

Correct Answer: B

QUESTION 5

Which of the following modules allows a programmer to specify and spawn new processes, connect to their input and output pipes, and retrieve returned data?

A. pip

B. urllib2

C. subprocess

D. prochandle

Correct Answer: C

QUESTION 6

Which command will search for python modules that will have the ability to parse pcap files?

A. >>> locate(pcap)

B. pip search pcap

C. pip pcap

D. >>>pfind(pcap)

Correct Answer: B

QUESTION 7

Which of the following is in the output when programl.py shown below is executed?

```
$ cat program1.py
a = 5
b = 10
d = a + c
print(d)
$ python program1.py

Char: B
```

A. TypeError: cannot concatenate \\'str\\' and \\'int\\' objects

B. NameError: name "c" is not defined

C. ac

D. 15

Correct Answer: B

QUESTION 8

After calling a subprocess in a Python program, the program returns an error code of "0". What does this indicate?

A. The subprocess did not run

B. The subprocess terminated with no errors

C. The subprocess entered an infinite loop condition

D. The subprocess encountered a race condition

Correct Answer: B

QUESTION 9

Using the Python "sockets" module, which of the following functions looks up the IP address of www.giac.org?

A. socket.gethostbyaddr(" www.giac.org")

B. socket.nslookup.www.giac.org

C. socket.get(www.giac.org)

D. socket. gethostbynameC\\'www.giac.org")

Correct Answer: D

QUESTION 10

What is the output of the following command typed in Python interactive mode?

```
>>> print("and" in "And now for something completely different")
```

A. SyntaxError: invalid syntax

B. True

C. False

Correct Answer: C

QUESTION 11

What is the output of the following when executed in a Python shell?

```
>>> listoflists = [[1,2],[3,4]]

>>> copyoflists = list(listoflists)

>>> copyoflists.append([5,6])

>>> copyoflists

[[1, 2], [3, 4], [5, 6]]

>>> copyoflists[0].append(2.5)

>>> copyoflists

[[1, 2, 2.5], [3, 4], [5, 6]]

>>> listoflists
```

A. [[1, 2, 2.5], [3, 4], [5, 6]]

B. [[1,2], [3, 4], [5, 6]]

C. [[1,2], [3, 4]]

D. [[1,2,2.5], [3,4]]

Correct Answer: D

QUESTION 12

Examine the code snippet below. What will be the contents of the variable T during the loops first iteration?

```
phrase = "Python is a powerful language".split()

for i in phrase:

    [...]
```

A. is

B. 1

C. 0

D. Python

Correct Answer: C

QUESTION 13

Which python regular expression method should be used to match any character in a-z, 0

A. \w

B. Greedy matching

C. A custom character set

D. \w

Correct Answer: D

QUESTION 14

A gif file has the following attributes:

Extension: .gif

Magic value for start of file: \x47\x49\x46

Magic value for end of file: \x3b

A small data file called "raw_data" contains one gif.

Which of the following statements is most likely to successfully extract the file?

A. reiindall(r\-\gif,raw_data)[0]

B. re.match(r\\'(\\'.gif)"\\',raw_data).group(1)

C. re.search(\\'\x47\x49\x46(\\')\x3b\\',raw_data)

D. re.findall(r\\'\x47\x49\x46.-\x3b,,raw_data,re.DOTALL)[0]

Correct Answer: D

QUESTION 15

Review the following Python code:

```
hr = set(['Smith','Johnson','Williams','Jones'])

it = set(['Johnson','Jones','Brown'])

x = hr.intersection(it)
```

A. \\'Jones\\',\\'Johnson\\'

B. "Brown\\'/Williams\\'

C. \\'Brown\\'/Jones\\',\\'Johnson\\',\\'Williams\\'

D. \\'Johnson\\'/JohnsonVWilliams\\'/Jones\\'/Jones\\'/Brown\\'

Correct Answer: A

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