

## GIAC GPYC Exam

### Volume: 75 Questions

#### Question: 1

What happens if a programmer fails to build exception handling into a program, and the program encounters an unexpected error condition?

- A. The interpreter will ignore the error and move to the next line
- B. The application will print a warning to the console and continue to the end
- C. The computer will "fuzz" input until it finds one that generates no error
- D. The application will terminate immediately or after resources are exhausted

Answer: B

#### Question: 2

Review the following code:

```
a="123"
```

```
b="456"
```

```
if ("1" in a) ("4" in b):
```

```
print("red")
```

```
elif ("2" in a): print("blue")
```

```
elif ("7" in b): print("yellow")
```

What is the output of this code?

- A. blue
- B. red blue
- C. red blue yellow
- D. red

Answer: C

#### Question: 3

Using the Python "sockets" module, which of the following functions looks up the IP address of [www.giac.org](http://www.giac.org)?

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- A. `socket.gethostbyaddr(" www.giac.org")`
- B. `socket.nslookup.www.giac.org`
- C. `socket.get( www.giac.org)`
- D. `socket. gethostbynameC'www.giac.org')`

Answer: A

Question: 4

Which of the following is the final output when `program.py` is executed with a Python Interpreter?

```
student@573:~$ cat program.py
a=10
a+5
print(a)
student@573:~$ python program.py
```

- A. 15
- B. 5
- C. 10
- D. `SyntaxError: invalid syntax`

Answer: A

Question: 5

What will the last value of V be when Python executes the following control loop?

```
for x in range(4, 20, 2):
print(x)
```

- A. 4
- B. 20
- C. 2
- D. 18

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Answer: C

Question: 6

Which of the following is in the output when program1.py shown below is executed?

```
$ cat program.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

Answer: A

Question: 7

What would be the string resulting from the following command, considering the string variable "gpyc"?

```
gpyc="Python is a powerful language"
gpyc[:20][:11:-1]
nohtyP
```

P	y	t	h	o	n		i	s		a		p	o	w	e	r	f	u	l		l	a	n	g	u	a	g	e
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
-29	-28	-27	-26	-25	-24	-23	-22	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1

- A. powerful
- B. egaugnal lufrewop
- C. lufrewop
- D. powerful python

Answer: A

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Question: 8

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]]

Answer: A

Question: 9

What does the LIMIT function restrict in an SQL SELECT statement?

- A. The number of queries that can be run against the table per second
- B. The number of records a table is permitted to hold
- C. The number of records that will be returned by a request
- D. The number of subsequent SELECT statements that can be run against the table

Answer: A

Question: 10

What will be printed when the code in the screen capture is run?

```
>>> x=1
>>> y=2
>>> if(x) and (y):
z=x+y
```

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```
print(z)
elif(x) or (y):
z=y-x
print(z)
else:
z=z-y
print(z)
```

- A. An Error
- B. -1
- C. 1
- D. 2
- E. 3

Answer: C

Question: 11

Which python regular expression method should be used to match any character in a-z, 0-9?

- A. \w
- B. Greedy matching
- C. A custom character set

Answer: C

Question: 12

What will the code in the screen capture print when executed?

```
>>> x=4
>>> y=0
>>> if(y):
x=x+2
print(x)
else:
x=x-2
print(x)
```