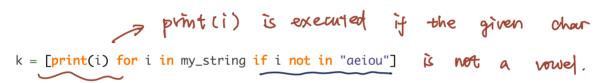
Python Questions and Answers – List Comprehension

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This set of Python Multiple Choice Questions & Answers (MCQs) focuses on "List Comprehension".

1. What will be the output of the following Python code snippet?



- a) prints all the vowels in my_string
- b) prints all the consonants in my_string
- (c) prints all characters of my_string that aren't vowels
- d) prints only on executing print(k)

View Answer

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2. What is the output of print(k) in the following Python code snippet?

```
k = [print(i) for i in my_string if i not in "aeiou"]
print(k)
```

a) all characters of my_string that aren't vowels

- b) a list of Nones
- print () returns None.
- c) list of Trues
- d) list of Falses

View Answer

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3. What will be the output of the following Python code snippet?

```
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x = [i**+1 for i in range(3)]; print(x);

a)[0, 1, 2]
b) [1, 2, 5]
c) error, **+ is not a valid operator
d) error, "i is not allowed
```

```
my_string = "hello world"

k = [(i.upper(), len(i)) for i in my_string] in the string,

print(k)
```

a) [('HELLO', 5), ('WORLD', 5)]

b) [('H', 1), ('E', 1), ('L', 1), ('L', 1), ('O', 1), (' ', 1), ('W', 1), ('O', 1), ('R', 1), ('L', 1), ('D', 1)]

c) [('HELLO WORLD', 11)]

d) none of the mentioned



```
Q10.
 10. Which of the following is the same as list(map(lambda x: x**-1, [1, 2, 3]))?
 a) [x**-1 \text{ for } x \text{ in } [(1, 2, 3)]]
 b) [1/x for x in [(1, 2, 3)]]
 c) [1/x for x in (1, 2, 3)]
  d) error
4. Which of the following is the correct expansion of list_1 = [expr(i) for i in list_0 if func(i)]?
a)
  list_1 = []
  for i in list_0:
       if func(i):
            list_1.append(i)
b)
  for i in list_0:
       if func(i):
```

```
list_1.append(expr(i))

Co

list_1 = []
```

```
for i in list_0: ____ loop over the contents of the existing list if func(i):

list_1.append(expr(i))

d) none of the mentioned

before performing operations
```

5. What will be the output of the following Python code snippet?

```
x = [i**+1 \text{ for } i \text{ in } range(3)]; print(x);
```

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d) error, ';' is not allowed

View Answer

6. What will be the output of the following Python code snippet?

print([i.lower() for i in "HELLO"])

(a) I'h', 'e', 'l', 'l', 'o']

(b) 'hello'

(c) ['hello']

(d) hello

(d) View Answer

7. What will be the output of the following Python code snippet?

```
print([i+j for i in "abc" for j in "def"])

a) ['da', 'ea', 'fa', 'db', 'eb', 'fb', 'dc', 'ec', 'fc']
b) [['ad', 'bd', 'cd'], ['ae', 'be', 'ce'], ['af', 'bf', 'cf']]
c) [['da', 'db', 'dc'], ['ea', 'eb', 'ec'], ['fa', 'fb', 'fc']]
d) ['ad', 'ae', 'af', 'bd', 'be', 'bf', 'cd', 'ce', 'cf']

View Answer
```

8. What will be the output of the following Python code snippet?

```
print([[i+j for i in "abc"] for j in "def"])

a) ['da', 'ea', 'fa', 'db', 'eb', 'fb', 'dc', 'ec', 'fc']

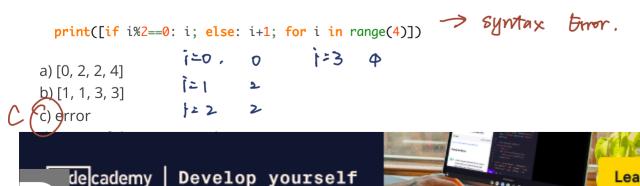
b) [['ad', 'bd', 'cd'], ['ae', 'be', 'ce'], ['af', 'bf', 'cf']]

c) [['da', 'db', 'dc'], ['ea', 'eb', 'ec'], ['fa', 'fb', 'fc']]

d) ['ad', 'ae', 'af', 'bd', 'be', 'bf', 'cd', 'ce', 'cf']

View Answer
```

9. What will be the output of the following Python code snippet?



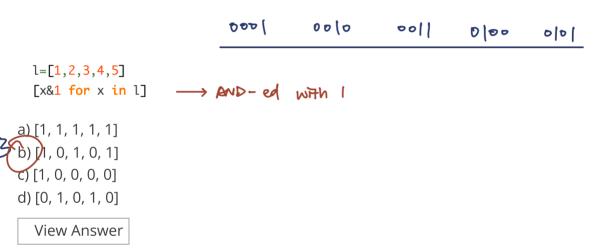
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Python Questions and Answers – List Comprehension – 1

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This set of Python Multiple Choice Questions & Answers (MCQs) focuses on "List Comprehension – 1".

1. What will be the output of the following Python code?



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2. What will be the output of the following Python code?

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- 3. Write the list comprehension to pick out only negative integers from a given list 'l'.
- a) [x<0 in l]
- b) [x for x<0 in I]
- c) [x in I for x<0]

(d) x for x in I if x<0]

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4. What will be the output of the following Python code?



- a) Error
- b) ['PUNE', 4, 'MUMBAI', 6, 'DELHI', 5]
- c) [PUNE, 4, MUMBAI, 6, DELHI, 5]
- d) I('PUNE', 4), ('MUMBAI', 6), ('DELHI', 5)]

 The word

View Answer

S=t'pune', 'mumbal', 'delhi'] advertisement

T(w. upperc), lencw)) for w in s].

· if we need to generate 2 results, we need to put it in the form of tuple.

5. What will be the output of the following Python code?

11=[2,4,6]
12=[-2,-4,-6]
for i in zip(11, 12):
print(i) (2,-2)
a) (
$$\psi$$
,- ψ)
(θ ,- θ)

- 2, -2
- 4, -4
- 6, -6



d) [-4, -16, -36]

View Answer

6. What will be the output of the following Python code?

```
11=[10, 20, 30]
12=[-10, -20, -30]
13=[x+y \text{ for } x, y \text{ in } zip(11, 12)] \longrightarrow total x+y.
13
```

- a) Error
- b) 0

c) [-20, -60, -80] d) **[**0, 0, 0]

View Answer

7 Write a list comprehension for number and its cube for I=[1, 2, 3, 4, 5, 6, 7, 8, 9].

- A a) [x**3 for x in I]
 - b) [x^3 for x in l]
 - c) [x**3 in l]
 - d) [x^3 in l]

View Answer

8. What will be the output of the following Python code?

- 147
- 258
- 369

d)

(147)



View Answer

9. What will be the output of the following Python code?

```
import math
[str(round(math.pi)) for i in range (1, 6)]

a) ['3', '3', '3', '3', '3']
b) ['3.1', '3.14', '3.142', '3.1416', '3.14159', '3.141582']
c) ['3', '3', '3', '3', '3']
d) ['3.1', '3.14', '3.142', '3.1416', '3.14159']

View Answer
```

10. What will be the output of the following Python code?



147

258

369

b)

(147)

(258)

(369)

c) [(1, 4, 7), (2, 5, 8), (3, 6, 9)]

d) Error

View Answer

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