

Python List-II

Total points 49/59

Test your Python skills with w3resource' quiz. This page contains interesting quizzes related to Python List (Part-II). The test contains 59 questions with no time limit. You will have to read all the given questions, answers and click over the correct answer.

✓ What will be the output of the following code? *

1/1

```
x=170  
y=sum(list(map(int,str(x))))  
print(y)
```

☐ 561

☐ 12

☒ 8



☐ Syntax error



✓ What will be the output of the following code? *

1/1

```
values = [[4, 5, 6, 2], [44, 7, 2, 3]]
```

```
x = values[0][0]
```

```
for lst in values:
```

```
    for element in lst:
```

```
        if x > element:
```

```
            x = element
```

```
print(x)
```

☒ 2



☐ 3

☐ 6

☐ 7



✓ What will be the output of the following code? *

1/1

```
values = [[4, 5, 6, 2], [44, 7, 2, 3]]  
  
x = values[0][0]  
for row in range(0, len(values)):  
    for column in range(0, len(values[row])):  
        if x < values[row][column]:  
            x = values[row][column]  
  
print(x)
```

☐ 5

☐ 6

☒ 44



☐ 7



✓ What will be the output of the following code? *

1/1

```
def change(var, lst):  
    var = 1  
    lst[0] = 55  
x = 4  
y = [2, 3, 4]  
change(x, y)  
print(x)  
print(y)
```

4
[55, 3, 4]

☒ Option 1



4
[2,3,4]

☐ Option 2



☐ Option 3

4
[2,3,55]

☐ Option 4

2
[55,3,4]

✓ What will be the output of the following code? *

1/1

```
>>>names = ['Ajoy', 'Jaya', 'Champion', 'Dhiman']  
>>>print(names[-1][-1])
```

☐ A

☐ Dhiman

☐ Error

☒ n



✓ What will be the output of the following code? *

1/1

```
p="python"  
q=list((f.upper(),len(f)) for f in p)  
print(q)
```

- ☐ [('P', 1), ('Y', 1), ('T', 1), ('H', 1), ('O', 1), ('N', 1)]
- ☐ [('PYTHON', 5)]
- ☒ [('P', 1), ('Y', 1), ('T', 1), ('H', 1), ('O', 1), ('N', 1)]
- ☐ Syntax error



✓ What will be the output of the following code? *

1/1

```
names1 = ['Bertha', 'Davida', 'Monika']  
names2 = [name.lower() for name in  
names1]  
print(names2[2][0])
```

☐ b

☒ m



☐ d

☐ None



✓ What will be the output of the following code? *

1/1

```
x= [2, 3, 4, 5, 6]
for y in range(1, 5):
    x[y-1] = x[y]
for y in range(0, 5):
    print(x[y],end = " ")
```

☐ 6 6 2 3 4

☐ 6 2 3 4 5

☐ 3 4 5 6 2

☒ 3 4 5 6 6



✗ What will be the output of the following code? *

0/1

```
names1 = ['Bertha',  
'Davida', 'Monika']  
if 'bertha' in names1:  
    print(1)  
else:  
    print(2)
```

☐ 1

☐ 3

☒ 2



☐ None

Correct answer

☒ 1



✓ What will be the output of the following code? *

1/1

```
x=[12,50,5]  
y=x.copy()  
y is x
```

☐ True

☒ False



✓ What will be the output of the following code? *

1/1

```
x=list((50,)*4)
print((50)*4)
print(x)
```

```
200
[(50),(50),(50),(50)]
```

☐ Option 1

```
(50,50,50,50)
[50,50,50,50]
```

☐ Option 2



```
200  
[50, 50, 50, 50]
```

☒ Option 3



☐ Syntax error

✓ What will be the output of the following code? *

1/1

```
list1 = [2, 5]  
list2 = list1  
list1[0] = 3  
print(list2)
```

☐ [2, 5]

☐ [5, 2]

☒ [3, 5]



☐ [5, 3]



✓ What will be the output of the following code? *

1/1

```
n = ['One', 'Two', 'Three']  
for a, x in enumerate(n):  
    print('{}: {}'.format(a, x),end=" ")
```

- ☐ 1: 2: 3:
- ☐ Exception is thrown
- ☐ One Two Three
- ☒ 0: One 1: Two 2: Three



✓ Suppose list1 = [0.5 * x for x in range(0, 5)], list1 is: *

1/1

- ☐ [1.0, 0.5, 0.0, 1.5, 2.0]
- ☒ [0.0, 0.5, 1.0, 1.5, 2.0]
- ☐ [2.0, 1.5, 1.0, 0.5, 0.0]
- ☐ [0.1, 0.2, 0.3, 0.4, 0.5]



✓ What will be the output of the following code? *

1/1

```
x = [[[2, 3], [4, 5]], [[6, 7], [8, 9]]]
```

```
print(x[1][0][0])
```

☐ 2

☐ 5

☐ 4

☒ 6



✓ What will be the output of the following code? *

1/1

```
word1="Pen"  
word2="Pen"  
list1=[0,1,2]  
list2=[0,1,2]  
print(word1 is word2)  
print(list1 is list2)
```

True
True

☐ Option 1

False
True

☐ Option 2



☐ Option 3

False
False

☒ Option 4



True
False

✓ Suppose list1 is [3, 4, 15, 15, 25, 15], what is list1.index(15)? *

1/1

☐ 0

☐ 5

☒ 2



☐ 3



✓ What will be the output of the following code? *

1/1

```
def x(values):  
    values[0] = 45  
    v = [2, 4, 6]  
    x(v)  
  
print(v)
```

☐ [45, 6, 4,]

☐ [45, 4]

☐ [4, 6, 45]

☒ [45, 4, 6]



✓ What will be the output of the following code? *

1/1

```
x=[[2,3],[4,5]]  
print(sum(x,[]))
```

☐ [[3],[8]]

☒ [2, 3, 4, 5]



☐ Error

☐ [14]



✓ What will be the output of the following code? *

1/1

```
def addItem(list1):  
    list1 += [1]  
my_list = [2, 4, 6, 8]  
addItem(my_list)  
print(len(my_list))
```

☒ 5



☐ 1

☐ 4

☐ 8



✓ What will be the output of the following code? *

1/1

```
x=[2,3,4,5]  
y=[sum(x[0:a+1]) for a in range(0,len(x))]  
print(y)
```

- ☐ 14
- ☐ [2,5,7,9]
- ☒ [2, 5, 9, 14]
- ☐ [2,3,9,14]



✗ What will be the output of the following code? *

0/1

```
def x(list):  
    y = list[0]  
    for e in list:  
        if y < e: y = e  
    return y  
  
values = [[4, 5, 6, 2], [44, 7, 2, 3]]  
  
for row in values:  
    print(x(row), end = " ")
```

☐ 3 44

☐ 4 44

☒ 5 44



☐ 6 7

Correct answer

☒ 4 44



✓ What will be the output of the following code? *

1/1

```
animals = ['Monkey', 'Tiger', 'Lion']  
animals1 = animals  
animals2 = animals[:]  
animals1[1]="Fox"  
animals2[2]="Deer"  
print(animals)
```

- ☐ ['Monkey', 'Fox', 'Deer']
- ☒ ['Monkey', 'Fox', 'Lion']
- ☐ ['Monkey', 'Fox', 'Tiger']
- ☐ ['Monkey', 'Tiger', 'Lion']



✗ What will be the output of the following code? *

0/1

```
d = [[[2, 3], [4, 5]], [[6, 7], [8, 9]]]

def abc(y):
    x = y[0][0]

    for row in y:
        for element in row:
            if x < element: x = element

    return x

print(abc(d[0]))
```

☐ 2

☒ 4



☐ 5

☐ 6

Correct answer

☒ 5



✗ What will be the output of the following code? *

0/1

```
my_List = [2, 6, 6, 6, 6, 2]
max = my_List[0]
indexOfMax = 0
for i in range(2, len(my_List)):
    if my_List[i] > max:
        max = my_List[i]
        indexOfMax = i
print(indexOfMax)
```

☐ 1

☐ 2

☐ 3

☒ 4



Correct answer

☒ 2



✗ What will be the output of the following code? *

0/1

```
print(list(zip((2,3,4),('p'),('aaa','bbb'))))  
print(list(zip((3,5),('q','r'),('bb','aa'))))
```

```
[(2,3,4),('p'),('aaa','bbb')]  
[(2,4),('q','r'),('bb','aa')]
```

☐ Option 1

```
[(2, 'p', 'aaa'),(3, ' ', 'bbb'),(4, ' ', ' ')]  
[(3, 'q', 'bb'), (5, 'r', 'aa')]
```

☐ Option 2

```
[(2, 'p', 'aaa')]  
[(3, 'q', 'bb'), (5, 'r', 'aa')]
```

☐ Option 3

☒ Syntax error



Correct answer

☒ Option 3

✓ Suppose list1 is [4, 2, 2, 4, 5, 2, 1, 0], Which of the following is correct syntax for slicing operation? *1/1

☐ print(list1[0])

☐ print(list1[:2])

☐ print(list1[:-2])

☒ all of the mentioned



✓ What will be the output of the following code? *

1/1

```
>>>"Welcome to Python".split()
```

☐ ("Welcome", "to", "Python")

☐ {"Welcome", "to", "Python"}

☒ ['Welcome', 'to', 'Python']



☐ "Welcome", "to", "Python"



✓ What will be the output of the following code? *

1/1

```
import copy
x=[20,33,60,[80]]
y=copy.deepcopy(x)
x[3][0]=90
x[1]=35
print(y)
```

- ☐ [20,33,60,[90]]
- ☐ [20,33,60,[80]]
- ☒ [20, 33, 60, [80]]
- ☐ [20, 33, 60, [90]]



✓ What will be the output of the following code? *

1/1

```
x=[12,48,15]  
x.append([77])  
x.extend([40,60])  
print(x)
```

- ☐ [12,48,15, [77]40,60]
- ☒ [12, 48, 15, [77], 40, 60] ✓
- ☐ [12, 48, 15, 77,[40, 60]]
- ☐ [12,48,15,77,[40, 60]]

✓ Which of the following commands will create a list? *

1/1

- ☐ list1 = []
- ☐ list1 = list()
- ☐ list1 = list([1, 2, 3])
- ☒ all of the mentioned ✓



✓ What will be the output of the following code? *

1/1

```
def increment_items(L, increment):  
    i = 0  
    while i < len(L):  
        L[i] = L[i] + increment  
        i = i + 1  
values = [2, 4, 6]  
print(increment_items(values, 2))  
print(values)
```

☒ None [4, 6, 8]



☐ [4,6,8] None

☐ [1, 2, 3] [4,5,6]

☐ None [1, 2, 3]



✓ What will be the output of the following code? *

1/1

```
m = [[2, 3, 4, 5],  
      [5, 6, 7, 8],  
      [9, 10, 11, 12],  
      [13, 14, 15, 16]]  
  
for i in range(0, 4):  
    print(m[i][1], end = " ")
```

- ☐ 2 3 4 5
- ☐ 5 6 7 8
- ☐ 2 3 9 15
- ☒ 3 6 10 14



✓ What will be the output of the following code? *

1/1

```
list1 = [8, 7, 6, 5]  
list2 = [1, 2, 3, 4]  
print(len(list1 + list2))
```

☐ 2

☒ 8



☐ 4

☐ 6



✓ What will be the output of the following code? *

1/1

```
x=["Mango","Nail","Ox"]  
x.sort(key=len)  
print(x)
```

- ☐ ['Mango', 'Nail', 'Ox']
- ☒ ['Ox', 'Nail', 'Mango']
- ☐ ['Ox', 'Mango', 'Nail']
- ☐ Invalid syntax for sort()



✓ What will be the output of the following code? *

1/1

```
fruits = ['mango', 'apple', 'banana', 'cherry']  
fruits.insert(fruits.index('apple'), 'berry')  
print(fruits)
```

☒ ['mango', 'berry', 'apple', 'banana', 'cherry']



☐ ['mango', 'berry', 'banana', 'cherry']

☐ ['mango', 'apple', 'berry', 'banana', 'cherry']

☐ ['mango', 'apple', 'berry', 'cherry', 'banana']



✓ What will be the output of the following code? *

1/1

```
list1 = [12, 3, 25]  
list2 = [12, 3, 2]  
print(list1>list2)
```

- ☐ False
- ☒ True
- ☐ Error
- ☐ None



✓ To which of the following the "in" operator can be used to check if an item *1/1 is in it?

- ☐ Dictionary
- ☐ Set
- ☐ Lists
- ☒ All of the above



✓ What will be the output of the following code? *

1/1

```
v = [[4, 5, 6, 2 ], [44, 7, 2, 3]]
```

```
for row in v:  
    row.sort()  
    for element in row:  
        print(element, end = " ")  
    print()
```

- ☐ The program prints two rows 3 5 6 2 followed by 44 7 2 3
- ☐ The program prints on row 3 6 5 2 44 7 3 2
- ☒ The program prints two rows 2 4 5 6 followed by 2 3 7 44 ✓
- ☐ The program prints two rows 3 6 5 2 followed by 44 6 2 3



✓ What will be the output of the following code? *

1/1

```
def unpack(p,q,r,s):  
    print(p+s)  
a = [2,3,4,5]  
unpack(*a)
```

☐ Error

☐ [2,5]

☐ [7]

☒ 7



✓ What will be the output of the following code? *

1/1

```
my_List = [1, 2, 3, 4, 5]
for i in range(1, 5):
    my_List[i - 1] = my_List[i]
    for i in range(0, 5):
        print(my_List[i], end = " ")
```

- ☐ 2 2 3 4 3 3 6 3 3 4 5 2 3 4 4 5 4 5 5
- ☐ 2 2 3 4 3 3 4 5 4 4 5 2 3 4 2 3 3 4 5
- ☒ 2 2 3 4 5 2 3 3 4 5 2 3 4 4 5 2 3 4 5 5 ✓
- ☐ 2 2 2 3 4 5 2 2 2 2 3 4 5 3 4 5 2 3 4 5



✓ What will be the output of the following code? *

1/1

```
def f(i, values = []):  
    values.append(i)  
    return values  
f(2)  
f(4)  
v = f(6)  
print(v)
```

- ☐ ['2, 4, 6']
- ☐ [2] [2, 4] [2, 4, 6]
- ☒ [2, 4, 6]
- ☐ [2] [4] [6]



✗ What will be the output of the following code? *

0/1

```
x=[20,33,60,[88]]  
y=list(x)  
x[3][0]=90  
x[1]=35  
print(y)
```

☐ [20,33,60,[90]]

☒ [20, 33, 60, [88]]



☐ [20, 33, 60, [90]]

☐ [20,33,60,[88]]

Correct answer

☒ [20, 33, 60, [90]]



✓ What will be the output of the following code? *

1/1

```
numbers = [2, 4, 6]
numbers.append([1, 2, 3, 4])
print(len(numbers))
```

☐ 6

☐ 5

☒ 4



☐ 22

✓ What will be the output of the following code? *

1/1

```
f = [[a, a + 2, a + 3] for a in range(0, 3)]
```

☐ [[1, 2, 3], [4, 5, 6], [7, 8, 9]]

☒ [[0, 2, 3], [1, 3, 4], [2, 4, 5]]



☐ [1, 2, 3, 4, 5, 6, 7, 8, 9]

☐ [0, 1, 2, 1, 2, 3, 2, 3, 4]



✓ What will be the output of the following code? *

1/1

```
x=[2,3,4]
y=x.append(5)
print(x)
print(y)
```

```
[2,3,4,5]
[2,3,4,5]
```

☐ Option 1

```
[2, 3, 4, 5]
None
```

☒ Option 2



```
[2,3,4]
[2,3,4,5]
```



☐ Option 3

☐ Syntax error

✗ What will be the output of the following code? *

0/1

```
def example(L):  
    ''' (list) -> list  
    '''  
    i = 0  
    result = []  
    while i < len(L):  
        result.append(L[i])  
        i = i + 3  
    return result
```

- ☐ Return a list containing every third item from L starting at index 0
- ☐ Return an empty list
- ☐ Return a list containing every third index from L starting at index 0
- ☒ Return a list containing the items from L starting from index 0, omitting every third item ✗

Correct answer

- ☒ Return a list containing every third item from L starting at index 0



✓ What will be the output of the following code? *

1/1

```
q=[5,6,7,8]
p=list(filter(lambda x:x%2,q))
print(p)
```

- ☐ [5,8]
- ☐ []
- ☒ [5, 7] ✓
- ☐ Invalid arguments for filter function

✓ How many elements are in a? *

1/1

```
x = [[a, b] for a in range(0, 2) for b in range(0, 2)]
```

- ☐ [[0, 1], [0, 2], [2, 0], [0, 1]]
- ☒ [[0, 0], [0, 1], [1, 0], [1, 1]] ✓
- ☐ [[0, 10], [0, 2], [0, 3], [0, 4]]
- ☐ None



✓ What is the maximum number of elements List can contain in Python? * 1/1

- ☐ 10 million items
- ☐ 10 million on 32-bit system and 20 million on 64-bit system
- ☒ There is no limit ✓
- ☐ 20 million items
- ☐ Another limit



✗ What will be the output of the following Python code? *

0/1

```
p = [1, 3, 5, 7, 7, 1]
q = p[0]
a = 0
for a in range(1, len(p)):
    if p[a] > q:
        q = p[a]
        a = a
print(q)
```

☒ 5

✗

☐ 3

☐ 4

☐ 0

Correct answer

☒ 4



✓ What will be the output of the following code? *

1/1

```
a=[[2],[3]]  
print(" ".join(list(map(str,a))))
```

- ☒ [2] [3] ✓
- ☐ [49] [50]
- ☐ [[2]] [[3]]
- ☐ Syntax error



✓ What will be the output of the following code? *

1/1

```
x="p@q@r@s"  
p=list(x.partition("@"))  
print(p)  
q=list(x.split("@",3))  
print(q)
```

```
['p','q','r','s']  
['p','q','r','s']
```

☐ Option 1

```
['p','@','q','@','r','@','s']  
['p','q','r','s']
```

☐ Option 2

```
['p', '@', 'q@r@s']  
['p', 'q', 'r', 's']
```

```
['p','@','q@r@s']  
['p','@','q','@','r','@','s']
```



☒ Option 3 ✓

☐ Option 4

✓ What will be the output of the following code? *

1/1

```
x = y = [2, 4, 6]  
y[2] = 5  
print(x)
```

☐ [1, 4, 3]

☐ [2, 4, 6, 5]

☒ [2, 4, 5] ✓

☐ [2, 4, 6]



✓ What will be the output of the following code? *

1/1

```
x=[]*3  
x[1].append(5)  
print(x)
```

☐ Syntax error

☐ [[5], [], []]

☒ [[5], [5], [5]]



☐ [[,5, [], []]



✗ What will be the output of the following code? *

0/1

```
names1 = ['Ajoy', 'Jaya', 'Champoin', 'Dhiman']
names2 = names1
names3 = names1[:]
names2[0] = 'Alicia'
names3[1] = 'Yen'
sum = 0
for ls in (names1, names2, names3):
    if ls[0] == 'Alicia':
        sum += 1
    if ls[1] == 'Yen':
        sum += 10
print(sum)
```

☒ 10

✗

☐ 12

☐ 2

☐ 8

Correct answer

☒ 2



✓ What will be the output of the following code? *

1/1

```
m=[4,5,7,2,3]  
m[1:2]=[8,9]  
print(m)
```

☒ [4, 8, 9, 7, 2, 3]



☐ Syntax error

☐ [4,[8,9],5,2,3]

☐ [4,5,6,7,8]



✓ What will be the output of the following code? *

1/1

```
p = [[2, 3], [4, 2.5], [0.7, 0.7]]  
p.sort()  
print(p)
```

- ☐ [[4, 2.5], [2, 3], [0.7, 0.7]]
- ☒ [[0.7, 0.7], [2, 3], [4, 2.5]]
- ☐ [[0.7, 0.7], [4, 2.5], [2, 3]]
- ☐ [[2, 3], [4, 2.5], [0.7, 0.7]]



✖ What will be the output of the following code? *

0/1

```
p=[2,3,4,5]  
q=[sum(p[0:x+1]) for x in range(0,len(p))]  
print(q)
```

☐ 14

☒ [2,3,5,7]



☐ 5

☐ [2, 5, 9, 14]

Correct answer

☒ [2, 5, 9, 14]

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