



Introduction to Python

Quiz Answers

Two Dimensional Lists

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What will be the output of following code?

```
li = [[1,2,3],[4,5,6],[7,8,9]]  
print(li[2][1])
```

5

8

2

Error

What will be the output of following code?

```
li = [[1,2,3],[4,5,6],[7,8,9]]  
print(li[1][3])
```

6

9

3

Error

What will be the output of following code?

```
li = [[1,2,3,4],[5,6],[7,8,9]]  
print(li[2])
```

[5,6]

Error

[7,8,9]

None of the above

What will be the output of following code?

```
li = [[1,2,3,4],[5,6],[7,8,9]]  
print(li[1][3])
```

4

6

Error

None of the above



What will be the output of following code?

```
li = [ele**2 for ele in range(5)]
```

```
print(li)
```

[1,2,3,4,5]

[1,4,9,16,25]

[0,1,4,9,16]

[0,1,4,9,16,25]

What will be the output of following code?

```
li = [ele**2 for ele in range(10) if ele%3 ==0]
```

```
print(li)
```

[1,3,9]

[1,9,36,81]

[0,3,6,9]

[0,9,36,81]

What will be the output of following code?

```
li = [[ i*j for j in range(4)] for i in range(3)]
```

```
print(li)
```

[[0, 0, 0, 0], [0, 1, 2, 3], [0, 2, 4, 6]]

[[0, 0, 0], [0, 1, 2], [0, 2, 4], [0, 3, 6]]

[[1, 2, 3, 4], [2, 4, 6, 8], [3, 6, 9, 12]]

None of above

What will be the output of following code?

```
li=[[1,2,3,4],[5,6,7,8],[9,10,11,12]]
```

```
for j in range(4):
```

```
    for ele in li:
```

```
        print(ele[j],end = " ")
```

1 2 3 4 5 6 7 8 9 10 11 12

1 5 9 2 6 10 3 7 11 4 8 12

Error

1 5 9 10 6 2 3 7 11 12 8 4
