```
1. What output is produced by the following code?
xlist = [1, [1, 2], [1, 2, 3]]
print(xlist[1])
2. What output is produced by the following code?
xlist = [1, [1, 2], [1, 2, 3]]
print(xlist[1][1])
3. What output is produced by the following code?
xlist = [1, [1, 2], [1, 2, 3]]
print(xlist[1] + [1])
4. What output is produced by the following code?
def sum_part(xlist, n):
       sum = 0
       for x in xlist[n]:
               sum = sum + x
       return sum
ylist = [[1, 2], [3, 4], [5, 6], [7, 8]]
x = sum_part(ylist, 2)
print(x)
```

5. Assume xlist is a list of lists where the inner lists have two elements. The second element of these inner lists is a numeric value. Which of the following will sum the values of the second element of the nested lists and store the result in sum?

```
(a) sum = 0
    for item in xlist:
        sum = sum + item[1]
(b) sum = 0
    for one, two in xlist:
        sum = sum + two
(c) sum = 0
    for i in range(len(xlist)):
        sum = sum + xlist[i][1]
(d) All of the above.
```

6. What output is produced by the following code?

for i in range(3):

```
for j in range(3):
print(i * j, end="")
```

- (a) 123246369
- (b) 0000012302460369
- (c) 000012024
- (d) None of the above.

9×0',19 1×0',19 0×0/19

```
7. What output is produced by the following code?
s = "abc"
                                   1: 4.5-13 radie
for i in range(1, len(s) + 1):
       sub = ""
       for j in range(i):
              sub = s[j] + sub
                                                                                          VOU
       print(sub)
(a)
       а
       ba
       cba
(b)
       а
       ab
       abc
(c)
       а
       ab
(d) This code produces an error.
8. What output is produced by the following code?
                                        ١,3,5,٦,٩
s = "grasshopper",
for i in range(1, len(s), 2):
       print(s[i], end="")
(a) gasopr
(b) gr
(c) rshpe
(d) rshper
9. What output is produced by the following code? ¥
x = [7]
y = x
x[0] = x[0] + 3
y[0] = y[0] - 5
print(x, y)
10. What output is produced by the following code?
x = [7]
                                       [8][7]
y = x
x = [8]
print(x, y)
11. What output is produced by the following code?
x = [1, 2, 3, 4]
                       1204
y = x
y[2] = 0
z = x[1:]
x[1] = 9
print(x, y, z)
```

```
12. What output is produced by the following code?
s = "row"
                                6 11 O
for i in range(len(s)):
       print(s[:i])
(a)
       r
       ro
(b)
       r
       ro
       row
(c)
       ro
       row
(d) None of the above.
13. What output is produced by the following code?
s = "stab"
                                    6,1,23
for i in range(len(s)):
       print(s[i : 0 : -1])
(a)
       S
       ts
       ats
       bats
(K)
       t
       at
       bat
(c)
       S
       st
       sta
(d) None of the above.
14. What output is produced by the following code?
s = "stab"
for i in range(len(s)):
       print(s[i:-5:-1])
(a)
       S
       ts
       ats
       bats
    (b) t
       at
       bat
    (c) s
       st
       sta
(d) None of the above.
```

```
15. What output is produced by the following code?
s = "stab"
for i in range(len(s)):
       print(s[0:i:1])
(a)
S
ts
ats
bats
(b)
t
at
bat
(e)
S
st
sta
(d) None of the above.
```