1. What output is produced by the following code?

**xlist = [1, [1, 2], [1, 2, 3]]**

**print(xlist[1])**

***[1, [1, 2], [1, 2, 3]]***

2. What output is produced by the following code?

**xlist = [1, [1, 2], [1, 2, 3]]**

**print(xlist[1][1])**

***1***

3. What output is produced by the following code?

**xlist = [1, [1, 2], [1, 2, 3]]**

**print(xlist[1] + [1])**

***[1, 2, 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)**

***11***

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?\*\*\*\*\*\*\*\*\*\*\*\*\*

Xlist=[[a,b],[c,d],[e,f]….]

1. **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.

***c***

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.

7. What output is produced by the following code?

**s = "abc"**

**for i in range(1, len(s) + 1):**

**sub = ""**

**for j in range(i):**

**sub = s[j] + sub**

**print(sub)**

(a) **a**

**ba**

**cba**

(b) **a**

**ab**

**abc**

(c) **a**

**ab**

(d) This code produces an error.

8. What output is produced by the following code?

**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]**

**y = x**

**x = [8]**

**print(x, y)**

11. What output is produced by the following code?

**x = [1, 2, 3, 4]**

**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"**

**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"**

**for i in range(len(s)):**

**print(s[i : 0 : -1])**

(a)

**s**

**ts**

**ats**

**bats**

(b)

**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**

1. **t**

**at**

**bat**

1. **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**

(c)

**s**

**st**

**sta**

(d) None of the above.