CS152 – Lists Worksheet

Name(s):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What will be the output after the following statements?

m = ['Games', 'in', 'Python']

n = 'Play' + m[0] + m[1] + m[2]

print(n)

1. PlayGamesinPython
2. Play Games in Python
3. Games in Python d
4. GamesinPython
5. What is the output of the snippet of code shown below?

A = [[1, 2, 3],[4, 5, 6],[7, 8, 9]]

print(A[1])

1. [4, 5, 6]
2. [3, 6, 9]
3. [1, 4, 7]
4. [1, 2, 3]
5. Which code is equivalent to the following:

my\_list = [[15, 0, 1], [21, 33, 6], [10, 4]]

lst = []

for row in my\_list:

lst.append(sum(row)-min(row))

1. my\_list = [[15, 0, 1], [21, 33, 6], [10, 4]]

lst = [sum(row)-min(row) for row in my\_list]

1. my\_list =[[15, 0, 1], [21, 33, 6], [10, 4]]

lst = sum [min(row) for row in my\_list]

1. my\_list =[[15, 0, 1], [21, 33, 6], [10, 4]]

lst = min( [sum(row) for row in my\_list])

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

lst1 = ['a', 'b', 'c']

lst2 = ['d', 'e', 'f']

lst3 = []

for i in lst1:

for j in lst2:

lst3.append(i+j)

print(lst3)

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’]