1. Select a correspondence of an empty element on the left to the type of collection at the top:

List Tuple Set Dictionary

()

{}

[]

set()

1. What is the result of execution of the following program:

l = [1,2,3]

t = 0

for i in l:

t += i

print(t)

[1,2,3]

3

6

0

Error

1. What is the result of execution of the following program:

print([x for x in range(1,10,3) if x%2==0])

[1,4,7]

[4,10]

[6]

[4]

[2,4,6,8]

1. There is the file ‘data.txt’ in the same directory as the python script. The content of ‘data.txt’ is the following:

Hi Peter

Good job

well done

What is the result of execution of the following program:

f = open('data.txt','r')

next(f)

for line in f:

line = line.strip()

l = line.split()

print(l[1])

Peter

job

done

Peter

Good

well

job

done

done

1. What is the result of the execution of the following program:

s = 'AbCDe'

print(s[1:-1].lower())

abcde

bcd

bCD

AbCDe

edcba

1. What is the result of execution of the following program:

l = [1,2,3]

while l:

print(l.pop(0))

1

2

3

3

2

1

1

1

1

1

… #Infinite loop

[1,2,3]

[1,2,3]

[1,2,3]

[1,2,3]

1. What is the result of the execution of the following program:

print('ab' + str(23) + str(1))

Error

[‘ab’,23,1]

[‘ab’,’23’,’1’]

ab231

ab 23 1

1. Which statement(s) is(are) executed without errors (check all that apply):

print(str('343.12'))

print(int(2)

print(int(343.12))

print(int(float('343.12')))

print(float(int('343.12')))

1. What is the result of the execution of the following program:

f = open('data.txt','r')

for line in f:

l = line.strip().split()

try:

print(l[2])

except:

continue

f.close()

!

job

done

Error

Peter

done

!

1. What is the result of execution of the following program:

d1 = {'a':1,'b':3,'c':2}

d2 = {'a':2,'c':2}

for k,v in d1.items():

d1[k] = d2.get(k,0) + 1

print(d1)

{‘a’: 2, ’b’: 0, ‘c’: 2}

Error

{‘b’: 1, ‘a’: 3, ‘c’: 3}

{‘a’: 3, ‘b’: 1, ‘c’: 3}