98-381 Q&As

Introduction to Programming Using Python

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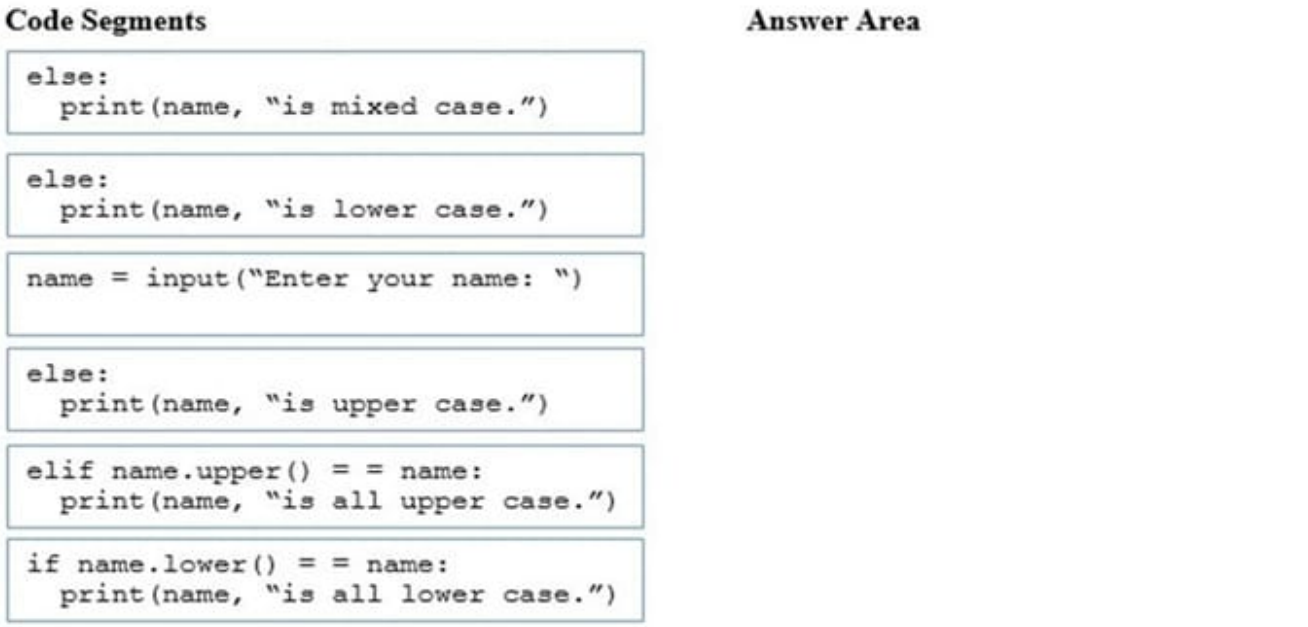
QUESTION 1

DRAG DROP

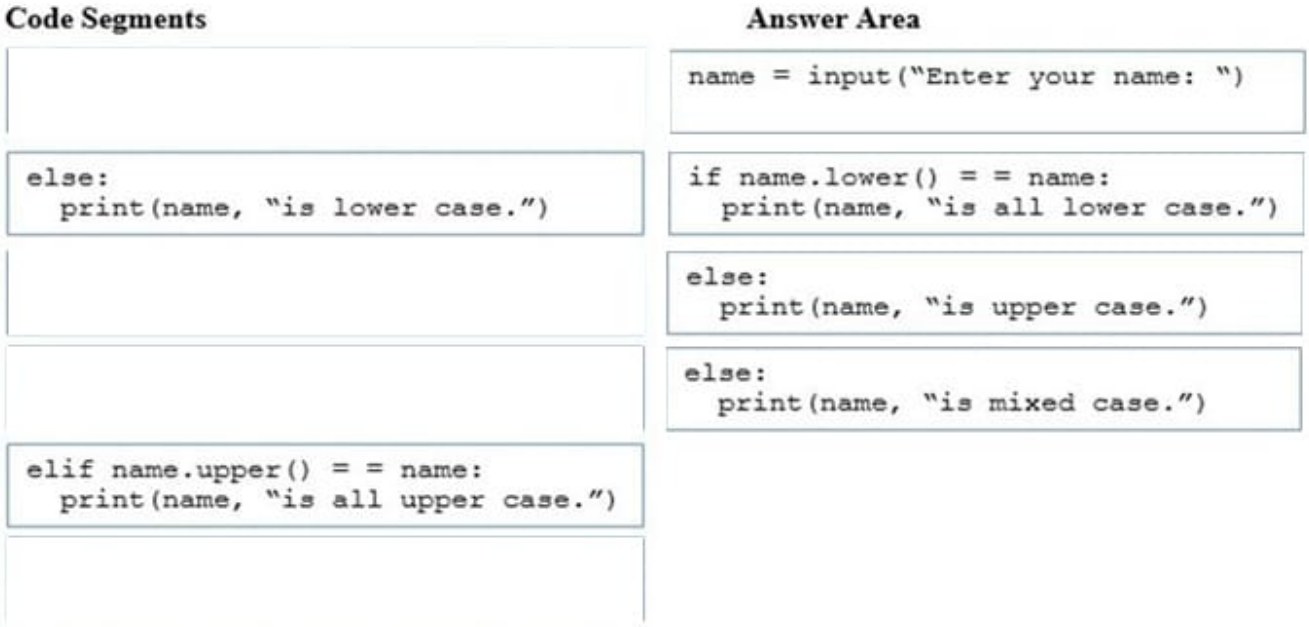
You are creating a Python script to evaluate input and check for upper and lower case.

Which four code segments should you use to develop the solution? To answer, move the appropriate code segment from the list of code segments to the answer area and arrange them in the correct order.

Select and Place:



Correct Answer:



References: https://www.w3resource.com/python/python-while-loop.php

QUESTION 2

You are creating a Python program that shows a congratulation message to employees on their service anniversary.

You need to calculate the number of years of service and print a congratulatory message.

You have written the following code. Line numbers are included for reference only.

```
01 start = input("How old were you on your start date?")
02 end = input("How old are you today?")
03
```

You need to complete the program.

Which code should you use at line 03?

A. print("Congratulations on" + (int(end)-int(start)) + "years of service!")

B. print("Congratulations on" + str(int(end)-int(start)) + "years of service!")

C. print("Congratulations on" + int(end - start) + "years of service!")

D. print("Congratulations on" + str(end - start)) + "years of service!")

Correct Answer: B

int must be converted to string

QUESTION 3

DRAG DROP

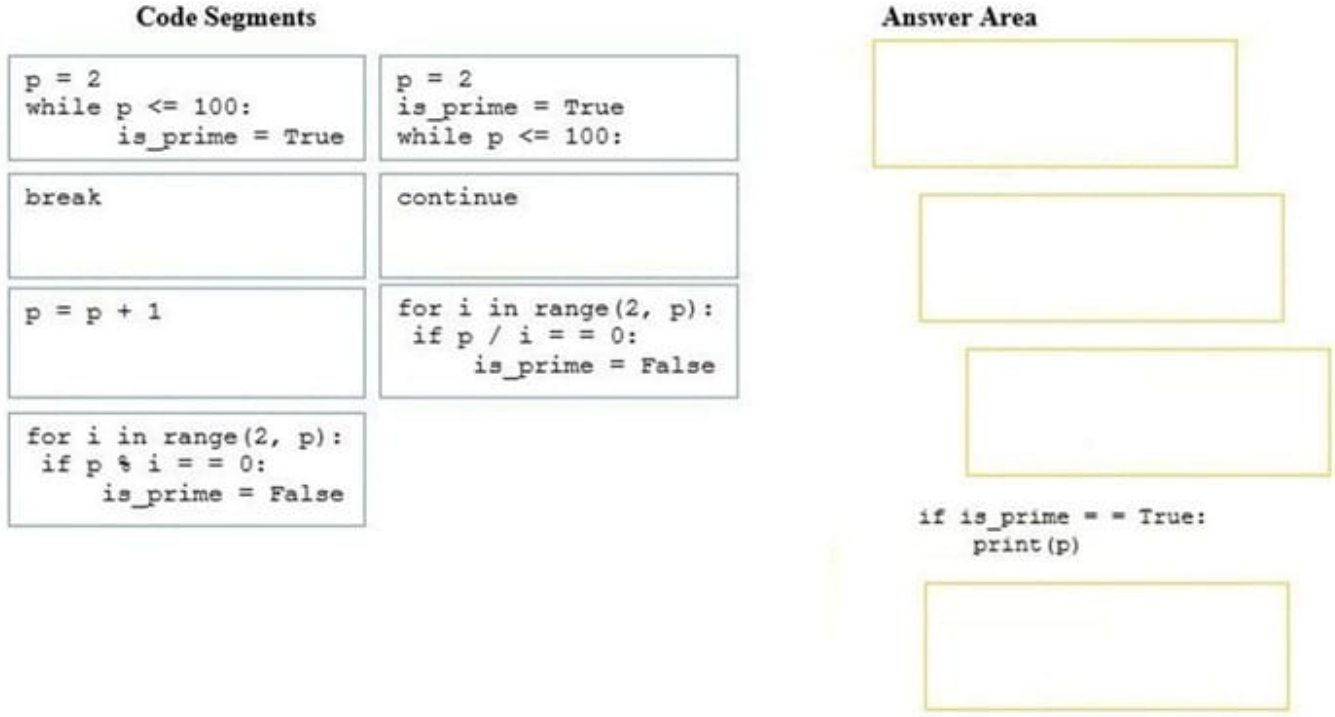
You are building a Python program that displays all of the prime numbers from 2 to 100.

How should you complete the code? To answer, drag the appropriate code segments to the correct location. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to

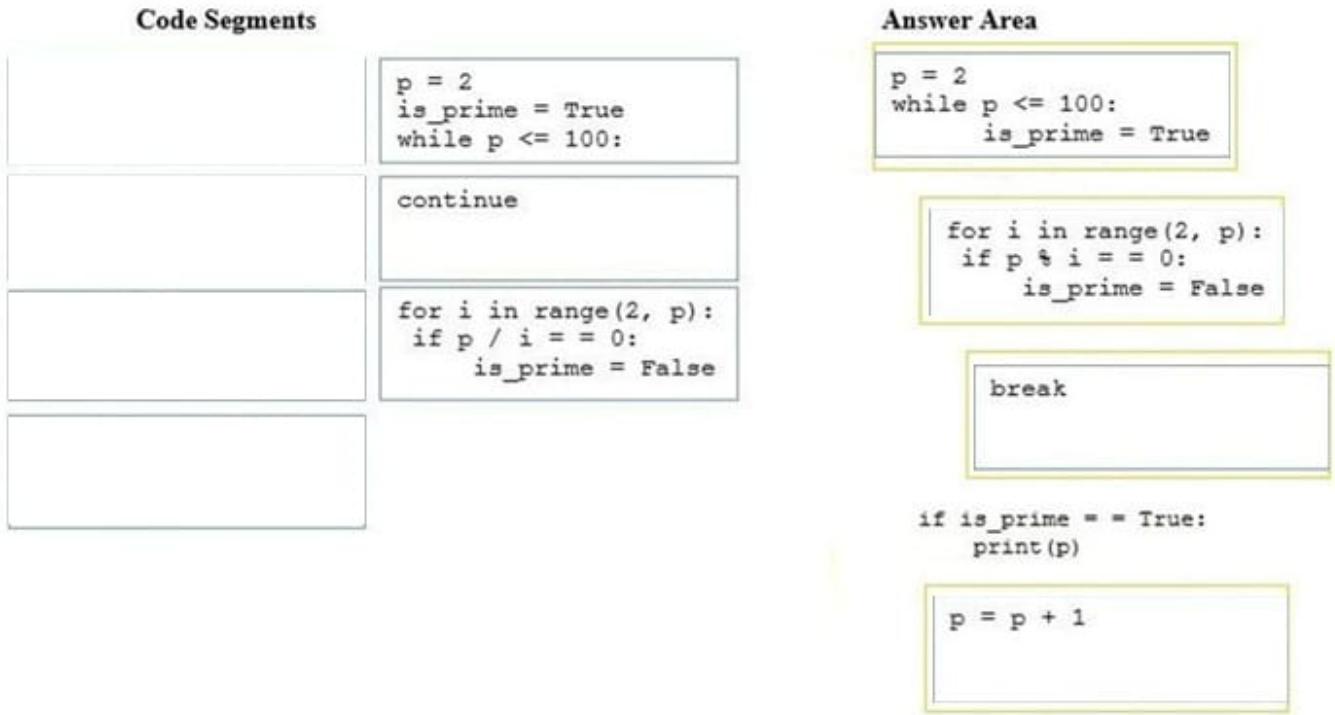
view content.

NOTE: Each correct selection is worth one point.

Select and Place:



Correct Answer:



References: https://docs.python.org/3.1/tutorial/inputoutput.html https://stackoverflow.com/questions/11619942/print-series-of-prime-numbers-in-python https://www.programiz.com/python-programming/examples/prime-number-intervals

QUESTION 4

DRAG DROP

You are writing a function that works with files.

You need to ensure that the function returns None if the file does not exist. If the file does exist, the function must return the first line.

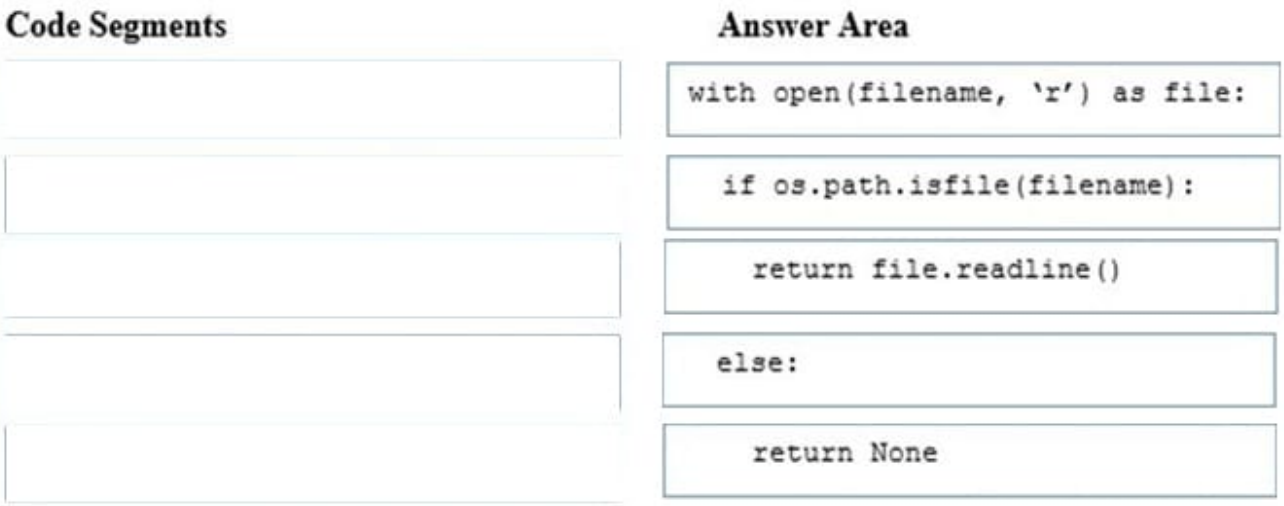
You write the following code:

```
import os
def get_first_line(filename, mode):
```

In which order should you arrange the code segments to complete the function? To answer, move all code segments from the list of code segments to the answer area and arrange them in the correct order.

Select and Place:

Correct Answer:



QUESTION 5

You are writing code that generates a random integer with a minimum value of 5 and a maximum value of 11. Which two functions should you use? Each correct answer presents a complete solution. (Choose two.)

A. random.randint(5, 12)

B. random.randint(5, 11)

C. random.randrange(5, 12, 1)

D. random.randrange(5, 11, 1)

Correct Answer: BC

References: https://docs.python.org/3/library/random.html#