98-381^{Q&As}

Introduction to Programming Using Python

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QUESTION 1

This question requires that you evaluate the underlined text to determine if it is correct.

You write the following code:

```
import sys
try:
    file_in = open("in.txt", 'r')
    file_out = open("out.txt", 'w+')
except IOError:
    print('cannot open', file_name)
else:
    i = 1
    for line in file_in:
        print(line.rstrip())
        file_out.write("line " + str(i) + ": " + line)
        i = i + 1
    file_in.close()
    file_out.close()
```

The out.txt file does not exist. You run the code. The code will execute without error.

Review the underlined text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

A. No change is needed

B. The code runs, but generates a logic error

C. The code will generate a runtime error

D. The code will generate a syntax error

Correct Answer: A

References: https://docs.python.org/2/library/exceptions.html

QUESTION 2

The ABC company has hired you as an intern on the coding team that creates e-commerce applications.

You must write a script that asks the user for a value. The value must be used as a whole number in a calculation, even if the user enters a decimal value.

You need to write the code to meet the requirements.

Which code segment should you use?

A. totalItems = input("How many items would you like?")

B. totalItems = float(input("How many items would you like?"))

C. totalItems = str(input("How many items would you like?"))

D. totalItems = int(input("How many items would you like?"))

Correct Answer: B

References: http://anh.cs.luc.edu/python/hands-on/3.1/handsonHtml/io.html

QUESTION 3

DRAG DROP

You are writing a Python program that evaluates an arithmetic formula.

The formula is described as b equals a multiplied by negative one, then raised to the second power, where a is the value that will be input and b is the result.

You create the following code segment. Line numbers are included for reference only.

```
01 a = eval(input"Enter a number for the equation: "))
02 b =
```

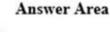You need to ensure that the result is correct.

How should you complete the code on line 02? To answer, drag the appropriate code segment 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:

Code Segments

| - | (|) | ** | **2 | 2 | a |

Answer Area

b = [ ] [ ] [ ] [ ] [ ]

Correct Answer:

Code Segments

			**		2	

Answer Area

b = (- a) **2

QUESTION 4

You develop a Python application for your company.

You need to accept input from the user and print that information to the user screen.

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

```
01 print("What is your name?")
02
03 print(name)
```

Which code should you write at line 02?

A. name = input

B. input("name")

C. input(name)

D. name = input()

Correct Answer: B

QUESTION 5

HOTSPOT

You find errors while evaluating the following code. Line numbers are included for reference only.

```
01 numbers = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
02 index = 0
03 while (index < 10)
04     print(numbers[index])
05
06     if numbers(index) = 6
07         break
08     else :
09         index += 1
```

You need to correct the code at line 03 and line 06.

How should you correct the code? Use the drop-down menus to select the answer choice that answers each question based on the information presented in the code segment.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Which code segment should you use at line 03?

while (index < 10) :
while [index < 10]
while (index < 5) :
while [index < 5]

Which code segment should you use at line 06?

if numbers[index] == 6
if numbers[index] == 6 :
if numbers(index) = 6 :
if numbers(index) != 6

Correct Answer:

Answer Area

Which code segment should you use at line 03?

while (index < 10) :
while [index < 10]
while (index < 5) :
while [index < 5]

Which code segment should you use at line 06?

if numbers[index] == 6
if numbers[index] == 6 :
if numbers(index) = 6 :
if numbers(index) != 6

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