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:

Code Segments

```
else:
    print(name, "is mixed case.")
```

```
else:
    print(name, "is lower case.")
```

```
name = input("Enter your name: ")
```

```
else:
    print(name, "is upper case.")
```

```
elif name.upper() == name:
    print(name, "is all upper case.")
```

```
if name.lower() == name:
    print(name, "is all lower case.")
```

Answer Area

Correct Answer:

Code Segments

```
else:
    print(name, "is lower case.")
```

```
elif name.upper() == name:
    print(name, "is all upper case.")
```

Answer Area

```
name = input("Enter your name: ")
```

```
if name.lower() == name:
    print(name, "is all lower case.")
```

```
else:
    print(name, "is upper case.")
```

```
else:
    print(name, "is mixed case.")
```

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

QUESTION 2

HOTSPOT

You develop a Python application for your company.

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

```
01 def main(a,b,c,d):
02     value = a+b*c-d
03     return value
```

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

Hot Area:

Answer Area

Which part of the expression will be evaluated first?

| a+b |
| b*c |
| c-d |

Which operation will be evaluated second?

| addition |
| subtraction |

Which expression is equivalent to the expression in the function?

| (a+b) * (c-d) |
| (a + (b*c)) – d |
| a + ((b * c) – d) |

Correct Answer:

Answer Area

Which part of the expression will be evaluated first?

a+b
b*c
c-d

Which operation will be evaluated second?

addition
subtraction

Which expression is equivalent to the expression in the function?

(a+b) * (c-d)
(a + (b*c)) – d
a + ((b * c) – d)

QUESTION 3

HOTSPOT

The ABC company needs a way to find the count of particular letters in their publications to ensure that there is a good balance. It seems that there have been complaints about overuse of the letter e. You need to create a function to meet the

requirements.

How should you complete this code? To answer, select the appropriate code segments in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
#Function accepts list of words from a file,
#and letter to search for.
#Returns count of a particular letter in that list.



def count_letter(letter, word_list):
    count=0
    for [                    ▼]
         word_list in word:
         word in word_list:
         word == word_list:
         word is word_list:

        if [                    ▼]
            word is letter:
            letter is word:
            word in letter:
            letter in word:

            count += 1
        return count


  word_list =[]



  #word_list is populated a from file. Code not shown.

  letter = input("which letter would you like to count")

  letter_count= count_letter(letter, word_list)
  print("There are: " , letter_count, " instances of " + letter)
```

Correct Answer:

Answer Area

```
#Function accepts list of words from a file,
#and letter to search for.
#Returns count of a particular letter in that list.



def count_letter(letter, word_list):
    count=0
    for [                      ▼]
```

| word_list in word: |
| word in word_list: |
| word == word_list: |
| word is word_list: |

```
        if [                      ▼]
```

| word is letter: |
| letter is word: |
| word in letter: |
| letter in word: |

```
            count +- 1
    return count


word_list =[]



#word_list is populated a from file. Code not shown.

letter = input("which letter would you like to count")

letter_count= count_letter(letter, word_list)
print("There are: " , letter_count, " instances of " + letter)
```

QUESTION 4

You develop a Python application for your company.

A list named employees contains 200 employee names, the last five being company management. You need to slice the list to display all employees excluding management.

Which two code segments should you use? Each correct answer presents a complete solution. (Choose two.)

A. employees [1:-4]

B. employees [:-5]

C. employees [1:-5]

D. employees [0:-4]

E. employees [0:-5]

Correct Answer: BE

References: https://www.w3resource.com/python/python-list.php#slice

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QUESTION 5

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:

Code Segments

```
if os.path.isfile(filename):
```

```
return file.readline()
```

```
with open(filename, 'r') as file:
```

```
return None
```

```
else:
```

Answer Area

Correct Answer:

Code Segments

Answer Area

```
with open(filename, 'r') as file:
```

```
if os.path.isfile(filename):
```

```
return file.readline()
```

```
else:
```

```
return None
```

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