

# 98-381<sup>Q&As</sup>

Introduction to Programming Using Python

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#### **QUESTION 1**

#### DRAG DROP

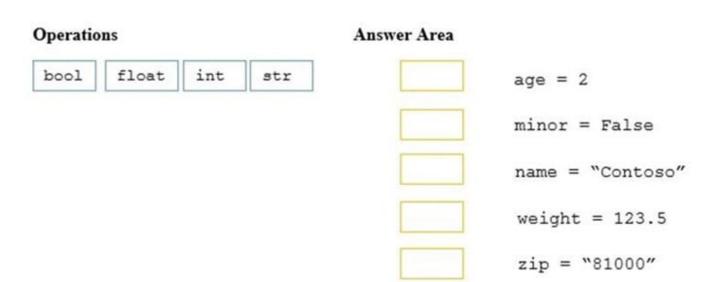
You are writing a Python program. The program collects customer data and stores it in a database.

The program handles a wide variety of data.

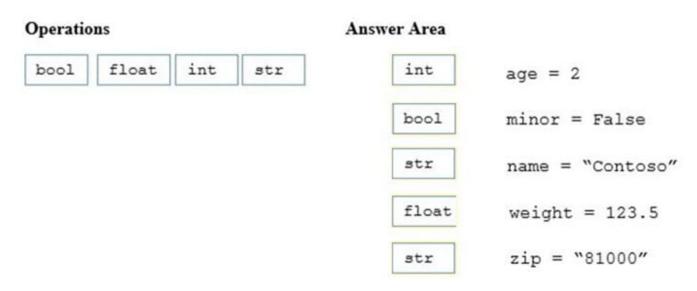
You need to ensure that the program handles the data correctly so that it can be stored in the database correctly.

Match the data type to the code segment. To answer, drag the appropriate data type from the column on the left to its code segment on the right. Each data type may be used once, more than once, or not at all.

Select and Place:



#### Correct Answer:



References: https://www.w3resource.com/python/python-data-type.php

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#### **QUESTION 2**

You develop a Python application for your school.

You need to read and write data to a text file. If the file does not exist, it must be created. If the file has content, the content must be removed.

Which code should you use?

A. open("local\_data", "r")

B. open("local\_data", "r+")

C. open("local\_data", "w+")

D. open("local\_data", "w")

Correct Answer: C

Modes \\'r+\\', \\\w+\\' and \\'a+\\' open the file for updating (reading and writing). Mode \\'w+\\' truncates the file.

References:

https://docs.python.org/2/library/functions.html

https://pythontips.com/2014/01/15/the-open-function-explained/

#### **QUESTION 3**

You are writing a Python program to automate inventory. Your first task is to read a file of inventory transactions. The file contains sales from the previous day, including the item id, price, and quantity. The following shows a sample of data from the file:

The code must meet the following requirements: Each line of the file must be read and printed If a blank line is encountered, it must be ignored When all lines have been read, the file must be closed

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

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```
01 inventory = open("inventory.txt", 'r')
02 eof = False
03 while eof == False:
       line = inventory.readline()
04
05
06
           print(line)
07
       else:
80
09
         print ("End of file")
10
         eof = True
         inventory.close()
11
```

Which code should you write for line 05 and line 06?

```
A. 05
        if line != '\n':
          if line != "":
   06
        if line != '\n':
B.
   05
          if line != None:
   06
        if line != '':
C. 05
          if line != "":
   06
D. 05
        if line != '':
          if line != "\n":
   06
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Correct Answer: A

https://www.dotnetperls.com/readline-python

#### **QUESTION 4**

You develop a Python application for your company.

You want to add notes to your code so other team members will understand it.

What should you do?

- A. Place the notes after the # sign on any line
- B. Place the notes after the last line of code separated by a blank line
- C. Place the notes before the first line of code separated by a blank line

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D. Place the notes inside of parentheses on any time

Correct Answer: A

References: http://www.pythonforbeginners.com/comments/comments-in-python

#### **QUESTION 5**

DRAG DROP

You are writing a Python program to perform arithmetic operations.

You create the following code:

$$a = 11$$

$$h = 4$$

What is the result of each arithmetic expression? To answer, drag the appropriate expression from the column on the left to its result on the right. Each expression may be used once, more than once, or not at all.

Select and Place:

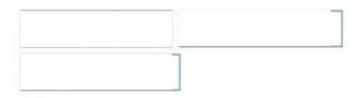
Results

Answer Area

2	
3	

Correct Answer:

Results



Answer Area

2.75

2	print(a // b)
3	print(a % b)
2.75	print(a / b)



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