

98-381^{Q&As}

Introduction to Programming Using Python

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QUESTION 1

DRAG DROP

The ABC company is converting an existing application to Python. You are creating documentation that will be used by several interns who are working on the team.

You need to ensure that arithmetic expressions are coded correctly.

What is the correct order of operations for the six classes of operations ordered from first to last in order of precedence? To answer, move all operations from the list of operations to the answer area and arrange them in the correct order.

Select and Place:

Operations

- Paranthesis
- Exponents
- And
- Multiplication and Division
- Addition and Subtraction
- Unary positive, negative, not

Answer Area

Correct Answer:

Operations

Answer Area

Parenthesis
Exponents
Unary positive, negative, not
Multiplication and Division
Addition and Subtraction
And

References: http://www.mathcs.emory.edu/~valerie/courses/fall10/155/resources/op_precedence.html

QUESTION 2

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:

```
10, 200, 5  
20, 100, 1
```

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.

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

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

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

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

Correct Answer: A

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

QUESTION 3

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

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

D. totalltems = 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 4

HOTSPOT

You are developing a Python application for your company.

You write the following code:

```
numList = [1,2,3,4,5]
alphaList = ["a","b","c","d","e"]
print(numList is alphaList)
print(numList == alphaList)
numList = alphaList
print(numList is alphaList)
print(numList == alphaList)
```

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

What is displayed after the first print?

	▼
True	
False	

What is displayed after the second print?

	▼
True	
False	

What is displayed after the third print?

	▼
True	
False	

What is displayed after the fourth print?

	▼
True	
False	

Correct Answer:

Answer Area

What is displayed after the first print?

	▼
True	
False	

What is displayed after the second print?

	▼
True	
False	

What is displayed after the third print?

	▼
True	
False	

What is displayed after the fourth print?

	▼
True	
False	

QUESTION 5

HOTSPOT

The ABC company is building a basketball court for its employees to improve company morale.

You are creating a Python program that employees can use to keep track of their average score.

The program must allow users to enter their name and current scores. The program will output the user name and the user's average score. The output must meet the following requirements:

The user name must be left-aligned.

If the user name has fewer than 20 characters, additional space must be added to the right.

The average score must have three places to the left of the decimal point and one place to the right of the decimal (XXX.X).

How should you complete the code? To answer, select the appropriate code segments in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
name = input("what is your name?")
score = 0
count = 0
while(score != -1):
    score = int(input("Enter your scores: (-1 to end)"))

    if score == -1:
        break

    sum += score
    count += 1

average_score = sum / count
print(" ", your average score is: " ", "%(name, average))
```

▼
%-20i
%-20d
%-20f
%-20s

▼
%1.4s
%4.1f
%4.1s
%1.4f

Correct Answer:

Answer Area

```
name = input("what is your name?")
score = 0
count = 0
while(score != -1):
    score = int(input("Enter your scores: (-1 to end)"))

    if score == -1:
        break

    sum += score
    count += 1

average_score = sum / count
print("%-20i", your average score is: "%1.4s"%(name, average))
```

References: https://www.python-course.eu/python3_formatted_output.php

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