



98-381^{Q&As}

Introduction to Programming Using Python

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QUESTION 1

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#>

QUESTION 2

HOTSPOT

During school holidays, you volunteer to explain some basic programming concepts to younger siblings. You want to introduce the concept of data types in Python. You create the following three code segments:

```
# Code segment 1
x1 = "20"
y1 = 3
a = x1 * y1
```

```
# Code segment 2
x2 = 6
y2 = 4
b = x2 / y2
```

```
# Code segment 3
x3 = 2.5
y3 = 1
c = x3 / y3
```

You need to evaluate the code segments.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area

	Yes	No
After executing code segment 1, the data type of variable <code>a</code> is <code>str</code> .	<input type="radio"/>	<input type="radio"/>
After executing code segment 2, the data type of variable <code>b</code> is <code>float</code> .	<input type="radio"/>	<input type="radio"/>
After executing code segment 3, the data type of variable <code>c</code> is <code>int</code> .	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

	Yes	No
After executing code segment 1, the data type of variable <code>a</code> is <code>str</code> .	<input type="radio"/>	<input checked="" type="radio"/>
After executing code segment 2, the data type of variable <code>b</code> is <code>float</code> .	<input checked="" type="radio"/>	<input type="radio"/>
After executing code segment 3, the data type of variable <code>c</code> is <code>int</code> .	<input type="radio"/>	<input checked="" type="radio"/>

QUESTION 3

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
- D. Place the notes inside of parentheses on any time

Correct Answer: A

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

**QUESTION 4**

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 5**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>[98-381 Study Guide](#)[98-381 Exam Questions](#)[98-381 Braindumps](#)