



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

Introduction to Programming Using Python

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### QUESTION 1

#### HOTSPOT

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

Hot Area:

#### Answer Area

	Yes	No
A try statement can have one or more except clauses.	<input type="radio"/>	<input type="radio"/>
A try statement can have a finally clause without an except clause.	<input type="radio"/>	<input type="radio"/>
A try statement can have a finally clause and an except clause.	<input type="radio"/>	<input type="radio"/>
A try statement can have one or more finally clauses.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

#### Answer Area

	Yes	No
A try statement can have one or more except clauses.	<input checked="" type="radio"/>	<input type="radio"/>
A try statement can have a finally clause without an except clause.	<input checked="" type="radio"/>	<input type="radio"/>
A try statement can have a finally clause and an except clause.	<input checked="" type="radio"/>	<input type="radio"/>
A try statement can have one or more finally clauses.	<input type="radio"/>	<input checked="" type="radio"/>

References: <https://docs.python.org/2.0/ref/try.html>

### 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

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="checkbox"/>	<input type="checkbox"/>
After executing code segment 2, the data type of variable <code>b</code> is <code>float</code> .	<input type="checkbox"/>	<input type="checkbox"/>
After executing code segment 3, the data type of variable <code>c</code> is <code>int</code> .	<input type="checkbox"/>	<input type="checkbox"/>

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 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

Match the data type to the type operations.

To answer, drag the appropriate data type to the correct type operation. Each data type may be used once, more than once, or not at all.

Select and Place:

#### Data Types

int	float	str	bool
-----	-------	-----	------

#### Answer Area

type (+1E10)	
type (5.0)	
type ("True")	
type (False)	

Correct Answer:

#### Data Types

int	float	str	bool
-----	-------	-----	------

#### Answer Area

type (+1E10)	float
type (5.0)	float
type ("True")	str
type (False)	bool

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