



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

Introduction to Programming Using Python

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### QUESTION 1

#### HOTSPOT

You are developing a Python application for an online game.

You need to create a function that meets the following criteria: The function is named `update_score` The function receives the current score and a value The function adds the value to the current score The function returns the new score

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

Hot Area:

### Answer Area

<code>update_score</code>	<code>(current, value):</code>
<code>def update_score</code>	<code>():</code>
<code>return update_score</code>	<code>(current, value)</code>
<code>current += value</code>	<code>()</code>

  

<code>pass current</code>
<code>return current</code>
<code>return</code>
<code>pass</code>

Correct Answer:



### Answer Area

```

update_score
def update_score
return update_score

```

current += value

```

(current, value):
():
(current, value)
()

```

```

pass current
return current
return
pass

```

### QUESTION 2

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:

#### Operations

```

bool float int str

```

#### Answer Area

```

[ ] age = 2
[ ] minor = False
[ ] name = "Contoso"
[ ] weight = 123.5
[ ] zip = "81000"

```



Correct Answer:

### Operations

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

### Answer Area

int
-----

```
age = 2
```

bool
------

```
minor = False
```

str
-----

```
name = "Contoso"
```

float
-------

```
weight = 123.5
```

str
-----

```
zip = "81000"
```

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

### QUESTION 3

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 4

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 5**



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

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