



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

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**

Parenthesis

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)

## QUESTION 2

### HOTSPOT

The ABC Video company needs a way to determine the cost that a customer will pay for renting a DVD. The cost is dependent on the time of day the DVD is returned. However, there are also special rates on Thursdays and Sundays. The fee

structure is shown in the following list:

The cost is \$1.59 per night.

If the DVD is returned after 8 PM, the customer will be charged an extra day.

If the video is rented on a Sunday, the customer gets 30% off for as long as they keep the video.

If the video is rented on a Thursday, the customer gets 50% off for as long as they keep the video.

You need to write code to meet the requirements.

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

Hot Area:



## Answer Area

```
# ABC      Video, DVD Rental Calculator
```

```
ontime = input("Was video returned before 8 pm? y or n").lower()
```

```
days_rented = int(input("How many days was video rented?"))
```

```
day_rented = input("What day was the video rented?").capitalize()
```

```
cost_per_day = 1.59
```

```
if ontime
```

	▼
!= "n":	
== "n":	
== "y":	

```
    days_rented += 1
```

```
if day_rented
```

	▼
== "Sunday":	
>= "Sunday":	
is "Sunday":	

```
    total = (days_rented * cost_per_day) * .7
```

```
elif day_rented
```

	▼
== "Thursday":	
<= "Thursday":	
is "Thursday":	

```
    total = (days_rented * cost_per_day) * .5
```

```
else:
```

```
    total = days_rented * cost_per_day
```

```
print("Cost of the DVD rental is : $", total)
```



Correct Answer:



## Answer Area

# ABC Video, DVD Rental Calculator

```
ontime = input("Was video returned before 8 pm? y or n").lower()
```

```
days_rented = int(input("How many days was video rented?"))
```

```
day_rented = input("What day was the video rented?").capitalize()
```

```
cost_per_day = 1.59
```

```
if ontime
```

	▼
!= "n":	
== "n":	
== "y":	

```
    days_rented += 1
```

```
if day_rented
```

	▼
== "Sunday":	
>= "Sunday":	
is "Sunday":	

```
    total = (days_rented * cost_per_day) * .7
```

```
elif day_rented
```

	▼
== "Thursday":	
<= "Thursday":	
is "Thursday":	

```
    total = (days_rented * cost_per_day) * .5
```

```
else:
```

```
    total = days_rented * cost_per_day
```

```
print("Cost of the DVD rental is : $", total)
```

**QUESTION 3****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>

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**QUESTION 4**

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. `totalItems = input("How many items would you like?")`
- B. `totalItems = float(input("How many items would you like?"))`
- C. `totalItems = str(input("How many items would you like?"))`
- D. `totalItems = 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>

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**QUESTION 5****HOTSPOT**

You are developing a Python application for an online product distribution company.

You need the program to iterate through a list of products and escape when a target product ID is found.





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

```
productIdList = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]  
index = 0
```

	▼
while	
for	
if	
break	

(index < 10) :

```
print(productIdList[index])
```

```
if productIdList[index] == 6 :
```

	▼
while	
for	
if	
break	

```
else :
```

Correct Answer:



## Answer Area

```
productIdList = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]  
index = 0
```

	▼
while	
for	
if	
break	

```
(index < 10) :
```

```
    print(productIdList[index])
```

```
    if productIdList[index] == 6 :
```

	▼
while	
for	
if	
break	

```
    else :
```

References: <https://www.w3resource.com/python/python-while-loop.php>

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