



98-381^{Q&As}

Introduction to Programming Using Python

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QUESTION 1

HOTSPOT

You work for a company that distributes media for all ages.

You are writing a function that assigns a rating based on a user's age. The function must meet the following requirements:

Anyone 18 years old or older receives a rating of "A"

Anyone 13 or older, but younger than 18, receives a rating of "T"

Anyone 12 years old or younger receives a rating of "C"

If the age is unknown, the rating is set to "C"

You need to complete the 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

```
def get_rating(age):
```

```
    rating = ""
```

```
    if
```

```
        age < 13: rating = "C"
```

```
        age < 18: rating = "T"
```

```
        : rating = "A"
```

```
        age == None: rating = "C"
```

```
    elif
```

```
        age < 13: rating = "C"
```

```
        age < 18: rating = "T"
```

```
        : rating = "A"
```

```
        age == None: rating = "C"
```

```
    elif
```

```
        age < 13: rating = "C"
```

```
        age < 18: rating = "T"
```

```
        : rating = "A"
```

```
        age == None: rating = "C"
```

```
    else
```

```
        age < 13: rating = "C"
```

```
        age < 18: rating = "T"
```

```
        : rating = "A"
```

```
        age == None: rating = "C"
```

```
    return rating
```



Correct Answer:



Answer Area

```
def get_rating(age):
```

```
    rating = ""
```

```
    if
```

```
        age < 13: rating = "C"
```

```
        age < 18: rating = "T"
```

```
        : rating = "A"
```

```
        age == None: rating = "C"
```

```
    elif
```

```
        age < 13: rating = "C"
```

```
        age < 18: rating = "T"
```

```
        : rating = "A"
```

```
        age == None: rating = "C"
```

```
    elif
```

```
        age < 13: rating = "C"
```

```
        age < 18: rating = "T"
```

```
        : rating = "A"
```

```
        age == None: rating = "C"
```

```
    else
```

```
        age < 13: rating = "C"
```

```
        age < 18: rating = "T"
```

```
        : rating = "A"
```

```
        age == None: rating = "C"
```

```
    return rating
```



References: <https://www.w3resource.com/python/python-if-else-statements.php>

QUESTION 2

You develop a Python application for your company.

You need to accept input from the user and print that information to the user screen.

You have started with the following code. Line numbers are included for reference only.

```
01 print("What is your name?")  
02  
03 print(name)
```

Which code should you write at line 02?

- A. name = input
- B. input("name")
- C. input(name)
- D. name = input()

Correct Answer: B

QUESTION 3

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

<div>▼</div> <div>update_score</div> <div>def update_score</div> <div>return update_score</div>	<div>▼</div> <div>(current, value):</div> <div>():</div> <div>(current, value)</div> <div>()</div>
<div>current += value</div>	
<div>▼</div> <div>pass current</div> <div>return current</div> <div>return</div> <div>pass</div>	

Correct Answer:

Answer Area

<div>▼</div> <div>update_score</div> <div>def update_score</div> <div>return update_score</div>	<div>▼</div> <div>(current, value):</div> <div>():</div> <div>(current, value)</div> <div>()</div>
<div>current += value</div>	
<div>▼</div> <div>pass current</div> <div>return current</div> <div>return</div> <div>pass</div>	

QUESTION 4

DRAG DROP

You are building a Python program that displays all of the prime numbers from 2 to 100.

How should you complete the code? To answer, drag the appropriate code segments to the correct location. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to



view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Code Segments

```
p = 2
while p <= 100:
    is_prime = True
```

```
break
```

```
p = p + 1
```

```
for i in range(2, p):
    if p % i == 0:
        is_prime = False
```

```
p = 2
is_prime = True
while p <= 100:
```

```
continue
```

```
for i in range(2, p):
    if p / i == 0:
        is_prime = False
```

Answer Area

```
if is_prime == True:
    print(p)
```

Correct Answer:

Code Segments

```
p = 2
is_prime = True
while p <= 100:
```

```
continue
```

```
for i in range(2, p):
    if p / i == 0:
        is_prime = False
```

Answer Area

```
p = 2
while p <= 100:
    is_prime = True
```

```
for i in range(2, p):
    if p % i == 0:
        is_prime = False
```

```
break
```

```
if is_prime == True:
    print(p)
```

```
p = p + 1
```




References: <https://docs.python.org/3.1/tutorial/inputoutput.html> <https://stackoverflow.com/questions/11619942/print-series-of-prime-numbers-in-python> <https://www.programiz.com/python-programming/examples/prime-number-intervals>

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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