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#### **Score**

100% • 60 / 60

scored in CodePath TIP101: Unit 1 Assessment, Version A - Summer 2024 in 25 min 55 sec on 4 Jun 2024 16:44:36 PDT

### **Candidate Information**

Email concepting@protonmail.com

Test CodePath TIP101: Unit 1 Assessment, Version A - Summer 2024

Candidate Packet View ♥

Taken on 4 Jun 2024 16:44:36 PDT

Time taken 25 min 55 sec/ 90 min

Work Experience < 1 years

Invited by CodePath

### **Skill Distribution**



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There is no associated skills data that can be shown for this assessment

# **Tags Distribution**



There is no associated tags data that can be shown for this assessment

# Questions

Status	No.	Question	Time Taken	Skill	Score
8	1	Conditional Statements Multiple Choice	30 sec	-	5/5
8	2	What is the result? Multiple Choice	2 min 36 sec	-	5/5
8	3	Mystery Function Multiple Choice	1 min 16 sec	-	5/5

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8	4	Count Negatives Multiple Choice	2 min 39 - sec	5/5
8	5	Find Sum Coding	9 min 57 - sec	20/20
Ø	6	List Minimum Coding	8 min 32 - sec	20/20

### 1. Conditional Statements

**⊘** Correct

Multiple Choice

## **Question description**

What would the following code print out?

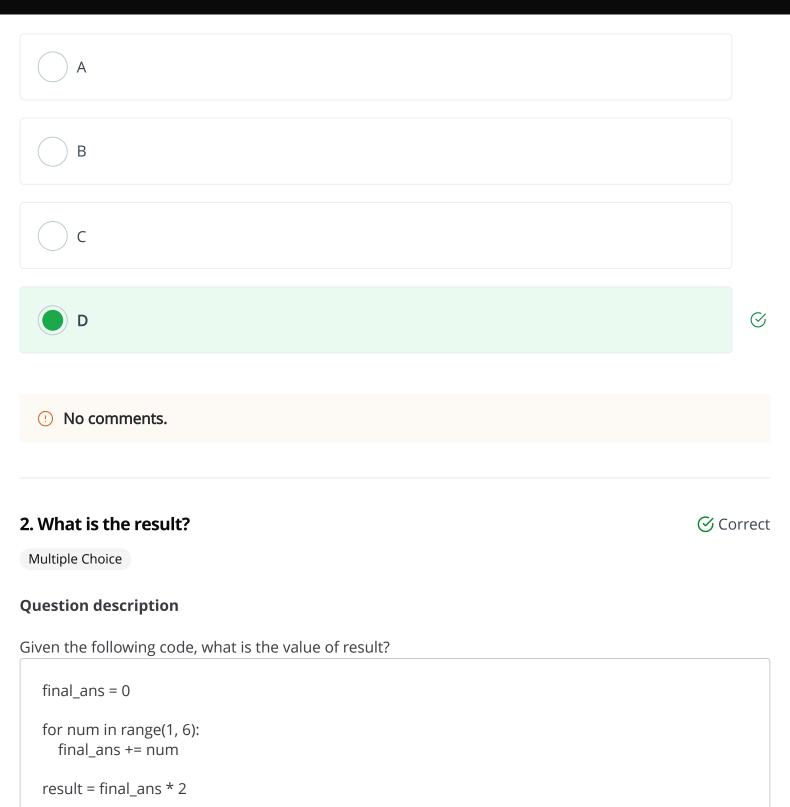
```
x = 15
y = 20

if x > y and y < 30:
    print("A")
    elif x < y and x < 10:
    print("B")
    elif x > 15 and x < y:
    print("C")
    else:
    print("D")</pre>
```

### **Candidate's Solution**

**Options:** (Expected answer indicated with a tick)

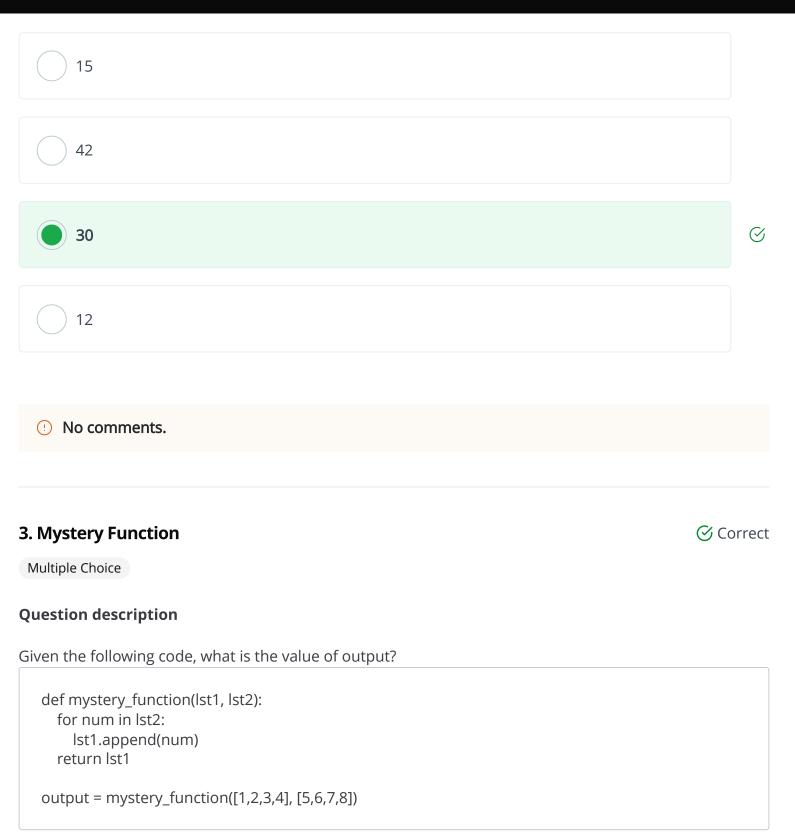
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#### **Candidate's Solution**

**Options:** (Expected answer indicated with a tick)

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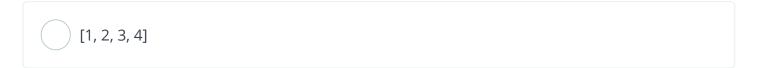


### **Candidate's Solution**

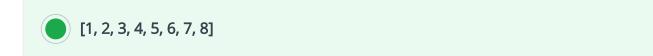
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 $\bigcirc$ 

**Options:** (Expected answer indicated with a tick)









No comments.

# **4. Count Negatives**

Multiple Choice

# **Question description**

**count\_negatives** should return the number of negative numbers in a given input list. For example, if we passed in [-1, 2, 3, 4, -5], **count\_negatives** should return 2. One of the following implementations is correct. The rest have a bug. Choose the option that correctly implements **count\_negatives**.

#### Candidate's Solution

**Options:** (Expected answer indicated with a tick)

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Example 1:

Input: [1, 2, 3, 4, 5] Output: 15

<pre><pre> <code>def count_negatives(lst):</code></pre></pre>	$\otimes$				
<pre><pre> <code>def count_negatives(lst): count = 0 for num in lst: if num &lt;= 0:     count += 1 return count</code></pre>  </pre>					
<pre><pre> <code>def count_negatives(lst): count = 0 for num in lst: if num &lt; 0:     count += num return count</code></pre>  </pre>					
<pre><pre> <code>def count_negatives(lst): count = 0 for num in range(len(lst)): if num    &amp;It 0: count += 1 return count</code></pre>  </pre>					
No comments.					
5. Find Sum Coding	rrect				
Question description					
Write a function that returns the sum of all the elements in a list. Do not use the built-in <b>sum</b> function.					

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```
Example 2:

Input: [2, 4, 6, 8, 10]

Output: 30
```

### **Candidate's Solution**

Language used: Python 3

```
1 #!/bin/python3
 2
 3 import math
 4 import os
 5 import random
 6 import re
7 import sys
 8
9
10
11 #
12 # Complete the 'find_sum' function below.
13 #
14 # The function is expected to return an INTEGER.
15 # The function accepts INTEGER ARRAY lst as parameter.
16 #
17
18 def find_sum(lst):
19
       # Write your code here
20
       sum = 0
21
       for i in range(0, len(lst)):
22
           sum = lst[i] + sum
23
        return sum
24
25
   print(sum)
26
27
28 if name == ' main ':
29
       fptr = open(os.environ['OUTPUT_PATH'], 'w')
30
31
       temp = input()
32
33
       if len(temp) > 70:
            input string = temp
34
35
            chunks = input string.split(", ")
           list_of_lists = [list(map(int, chunk.split())) for chunk in chunks]
36
```

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```
result = [find_sum(lst) for lst in list_of_lists]

else:
    result = find_sum([int(n) for n in temp.split()])

fptr.write(str(result) + '\n')

fptr.close()

fptr.close()
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample	Success	0	0.0278 sec	10.4 KB
Testcase 1	Easy	Sample	Success	0	0.0324 sec	10.3 KB
Testcase 2	Easy	Hidden	Success	0	0.0324 sec	10.2 KB
Testcase 4	Easy	Hidden	Success	0	0.0321 sec	10.2 KB
Testcase 4	Easy	Hidden	Success	20	0.0386 sec	10.3 KB

No comments.

### 6. List Minimum

Coding

## **Question description**

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Without using the built-in function **min**, write a function that finds the minimum value in a list of integers.

```
Example:

Input: [5, 1, 2, 3, 4]
Output: 1

Example 2:

Input: [10, 8, 2, 4, 6]
Output: 2
```

#### Candidate's Solution

```
Language used: Python 3
```

```
1 #!/bin/python3
 2
 3 import math
 4 import os
 5 import random
 6 import re
 7
   import sys
 8
 9
10
11 #
12 # Complete the 'find_min' function below.
13 #
14 # The function is expected to return an INTEGER.
15 # The function accepts INTEGER_ARRAY lst as parameter.
16 #
17
18 def find min(lst):
       # Write your code here
19
20
       min = lst[0]
21
22
       for i in lst:
23
           if i < min:
24
               min = i
25
        return min
26
27
   print(find min)
```

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```
28
29 if name == ' main ':
30
       fptr = open(os.environ['OUTPUT PATH'], 'w')
31
32
       temp = input()
33
34
       if len(temp) > 60:
35
           input_string_new = temp
           chunks_new = input_string_new.split(", ")
36
           list of lists new = [list(map(int, chunk.split())) for chunk in
37
   chunks_new]
           result = [find_min(lst) for lst in list_of_lists_new]
38
39
       else:
           result = find_min([int(n) for n in temp.split()])
40
41
42
       fptr.write(str(result) + '\n')
43
       fptr.close()
44
45
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 0	Easy	Sample	Success	0	0.0307 sec	10.3 KB
Testcase 1	Easy	Sample	Success	0	0.0274 sec	10.3 KB
Testcase 2	Easy	Hidden	Success	0	0.0347 sec	10.4 KB
Testcase 3	Easy	Hidden	Success	0	0.0376 sec	10.3 KB
Testcase 4	Easy	Hidden	Success	0	0.0506 sec	10.3 KB

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Testcase 5 Easy Hidden Success 20 0.0404 sec 10.3 KB

• No comments.

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