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Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES **End Semester Examination, July 2020**

Course: Programming with Python Program: B.Tech + CSE (IOT&SC)

Course Code: CSAI1001

Semester: IV

Time Max. Marks:

Instructions:

This Test has 65 attempts. For information on editing questions, click **More Help** below.



Test Canvas: CSAI1001 - Programming with Python-IOT

The Test Canvas lets you add, edit and reorder questions, as well as review a test. More Help

Question Settings

You can edit, delete or change the point values of test questions on this page. If necessary, test attempts will be regraded after you submit your changes.

Description All questions are compulsory.

Each questions carry equal marks.

Backtracking is prohibited.

Multiple attempts are not allowed.

time duration is 2 hours.

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Total Questions

Total Points 60 Number of Attempts 65

Select: All None Select by Type:

60

- Question Type -

Delete and Regrade

Points

Hide Question Details

1 of 45 0, 8:08 AM

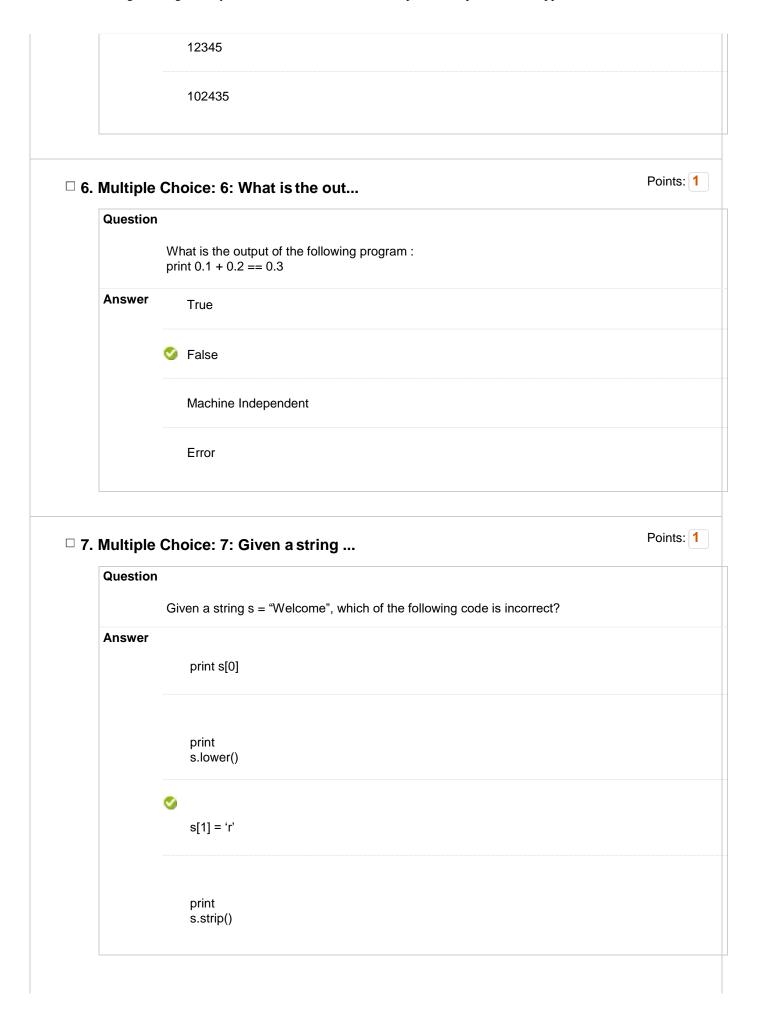
Update and Regrade

← **OK**

7/21/2020, 8:08 AM 2 of 45

Question		
	What will be the output of the following code : print type(type(int))	
Answer		
	type 'int'	
	type 'type'	
	error	
	0	
	Choice: 2: What is the out	Poin
. Multiple Question		Poin
	What is the output of the following program : y = 8 z = lambda x : x * y	Poin
Question	What is the output of the following program: y = 8 z = lambda x : x * y print z(6)	Point
Question	What is the output of the following program: y = 8 z = lambda x : x * y print z(6)	Poin
Question	What is the output of the following program: y = 8 z = lambda x : x * y print z(6) 14 64	Point



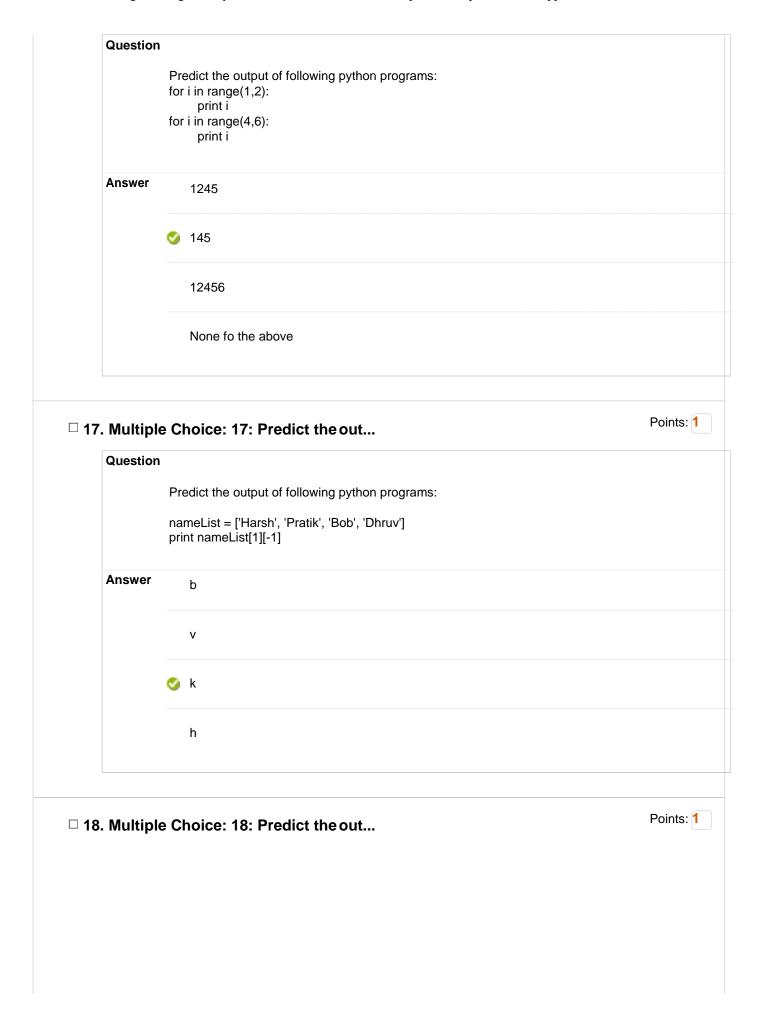


Question	1	
	To start Python from the command prompt, use the comma	nd
Answer		
	execute	
	python	
	python	
	python	
	go python	
	run	
	python	
Multiple Question	Choice: 9: Which of the fo	Poir
		Poin
	1	Poir
Question	Which of the following is correct about Python? It supports	Poir
Question	Which of the following is correct about Python? It supports automatic	Poin
Question	Which of the following is correct about Python? It supports	Poin
Question	Which of the following is correct about Python? It supports automatic garbage	Poir
Question	Which of the following is correct about Python? It supports automatic garbage collection.	Poir
Question	Which of the following is correct about Python? It supports automatic garbage collection. It can be easily	Poir
Question	Which of the following is correct about Python? It supports automatic garbage collection. It can be easily integrated	Poir
Question	Which of the following is correct about Python? It supports automatic garbage collection. It can be easily integrated with C, C++, COM,	Poir
Question	Which of the following is correct about Python? It supports automatic garbage collection. It can be easily integrated with C, C++, COM, ActiveX,	Poir
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Question	Which of the following is correct about Python? It supports automatic garbage collection. It can be easily integrated with C, C++, COM, ActiveX, CORBA,	Poin
Question	Which of the following is correct about Python? It supports automatic garbage collection. It can be easily integrated with C, C++, COM, ActiveX, CORBA,	Poin

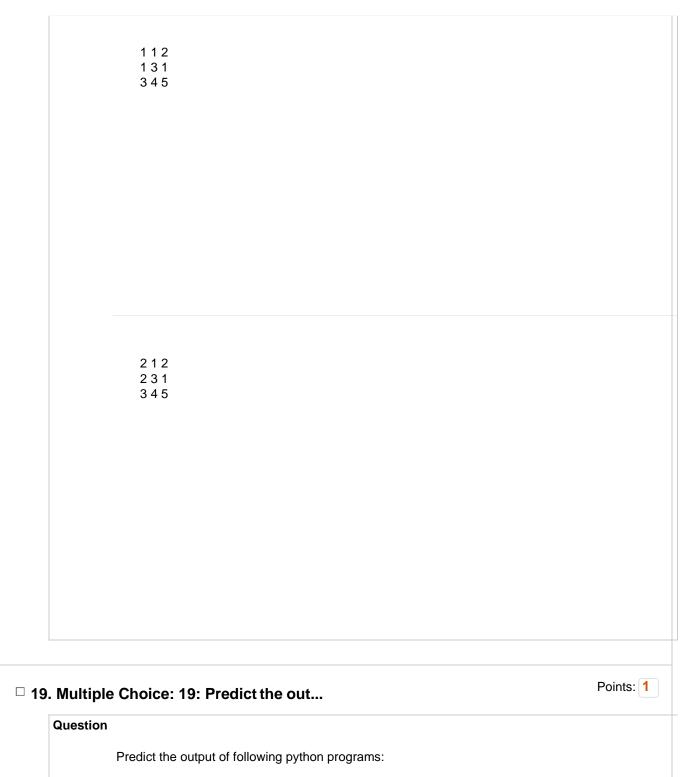
	. Multiple	Choice: 10: What data type	Points:
	Question		
		What data type is the object below ? L = [1, 23, 'hello', 1]	
	Answer	Dictionary	
		S List	
		Tuple	
		Array	
□ 11	. Multiple	Choice: 11: Which of the fo	Points:
	Question		
		Which of the following function convert a string to a float in python?	
	Answer	int(x [,base])	
		long(x [,base])	
		str(x)	
		⊘ float(x)	

Which of the following statement(s) is TRUE? 1. A hash function takes a message of fixed length and generates a code of variable length. 2. A hash function may give the same hash value for distinct messages. Answer I only I and III only I and III only Uhat is the output of the following program: def myfunc(a): a = a + 2 return a print myfunc(2) Answer 8 16 Runtime Error Indentation Error Indentation Error Points: 1 Points: 1 Points: 1	1. A hash function takes a message of fixed length and generates a fixed length code. 2. A hash function takes a message of fixed length and generates a code of variable length. 3. A hash function may give the same hash value for distinct messages. Answer I only I and III only I and III only II only Ouestion What is the output of the following program: def myfunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error I Indentation Error	Question	1	
Il and Ill only I and Ill only Il only Il only Il only Il only Il only Points: 1 Question What is the output of the following program: def mytunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 I6 Runtime Error Indentation Error	Il and Ill only I and Ill only Il only Il only Il only Il only Il only Points: 1 Question What is the output of the following program: def mytunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 I6 Runtime Error Indentation Error		 A hash function takes a message of arbitrary length and generates a fixed length code. A hash function takes a message of fixed length and generates a code of variable length 	
Il only □ 13. Multiple Choice: 13: What is the out Question What is the output of the following program: def myfunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error ✓ Indentation Error	Il only □ 13. Multiple Choice: 13: What is the out Question What is the output of the following program: def myfunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error ✓ Indentation Error	Answer	I only	
□ 13. Multiple Choice: 13: What is the out Question What is the output of the following program: def mytunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error Indentation Error	□ 13. Multiple Choice: 13: What is the out Question What is the output of the following program: def mytunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error Indentation Error		II and III only	
□ 13. Multiple Choice: 13: What is the out Question What is the output of the following program: def myfunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error Indentation Error	□ 13. Multiple Choice: 13: What is the out Question What is the output of the following program: def myfunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error Indentation Error		☑ I and III only	
Question What is the output of the following program: def myfunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error ✓ Indentation Error	Question What is the output of the following program: def myfunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error ✓ Indentation Error		II only	
What is the output of the following program: def myfunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error ✓ Indentation Error	What is the output of the following program: def myfunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error ✓ Indentation Error	□ 13. Multipl	e Choice: 13: What is the out	nts: 1
def myfunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error ✓ Indentation Error	def myfunc(a): a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error ✓ Indentation Error	Question	1	
a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error ✓ Indentation Error	a = a + 2 a = a * 2 return a print myfunc(2) Answer 8 16 Runtime Error ✓ Indentation Error			
Answer 8 16 Runtime Error Indentation Error	Answer 8 16 Runtime Error Indentation Error		a = a + 2	
Answer 8 16 Runtime Error Indentation Error	Answer 8 16 Runtime Error Indentation Error		return a	
16 Runtime Error ✓ Indentation Error	16 Runtime Error ✓ Indentation Error		print myfunc(2)	
Runtime Error Indentation Error	Runtime Error Indentation Error	Answer	8	
Indentation Error	Indentation Error		16	
Doints. 4	Doints. 4		Runtime Error	
□ 14. Multiple Choice: 14: Predict the out	□ 14. Multiple Choice: 14: Predict the out		Indentation Error	
□ 14. Multiple Choice: 14: Predict the out Points: 1	□ 14. Multiple Choice: 14: Predict the out			
		□ 14. Multip!	e Choice: 14: Predict the out	nts: 1
		·		

```
Question
                 Predict the output of following python programs:
                 r = lambda q: q * 2
                 s = lambda q: q * 3
                 x = 2
                 x = r(x)
                 x = s(x)
                 x = r(x)
                 print x
      Answer
                    12
                 3 24
                    36
                    54
                                                                                                   Points: 1
□ 15. Multiple Choice: 15: Predict the out...
      Question
                 Predict the output of following python programs:
                 count = 1
                 def doThis():
                     global count
                    for i in (1, 2, 3):
                        count += 1
                 doThis()
                 print count
      Answer
                    3
                 o 4
                    2
                    1
                                                                                                   Points: 1
☐ 16. Multiple Choice: 16: Predict the out...
```

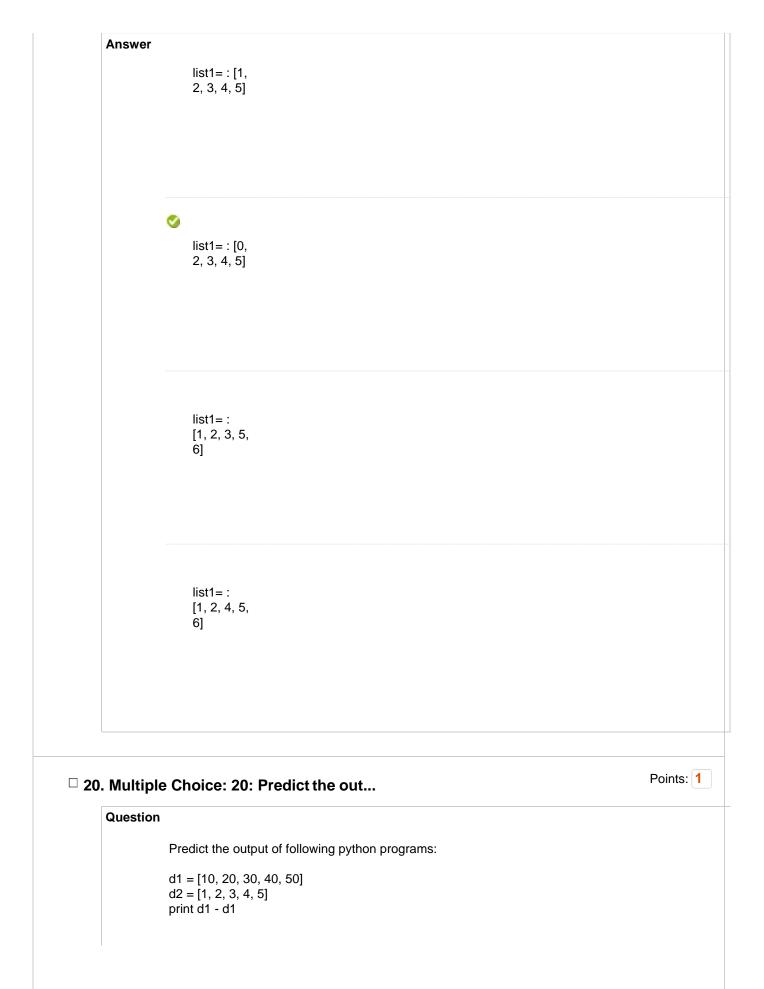


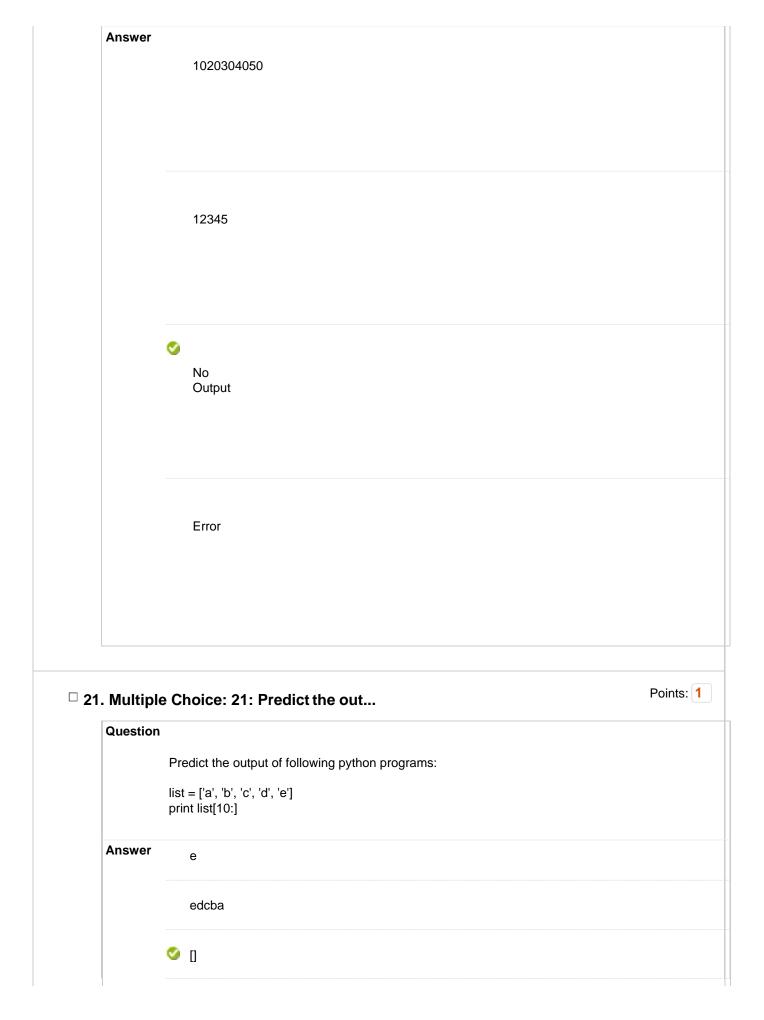
```
Question
          Predict the output of following python programs:
          class A(object):
             val = 1
           class B(A):
             pass
           class C(A):
              pass
           print A.val, B.val, C.val
           B.val = 2
          print A.val, B.val, C.val
          A.val = 3
          print A.val, B.val, C.val
Answer 👩
               111
               121
              323
               111
               131
              3 4 3
```



list1 = [1, 2, 3, 4, 5] list2 = list1 list2[0] = 0;

print "list1=: ", list1 #statement 2





None of the above Points: 1 ☐ 22. Multiple Choice: 22: Predict the out... Question Predict the output of following python programs: dictionary1 = {'GFG': 1, 'Google': 2, 'GFG' : 3 } print(dictionary1['GFG']); **Answer** Compilation error due to duplicate keys Runtime time error due to duplicate keys **3** 1 Points: 1 □ 23. Multiple Choice: 23: Predict the out...

```
Question
           Predict the output of following python programs:
           temp = dict()
           temp['key1'] = {'key1' : 44, 'key2' : 566}
           temp['key2'] = [1, 2, 3, 4]
           for (key, values) in temp.items():
              print(values, end = "")
Answer
               Compilation Error
               Runtime Error
               {'key1':
               44,
               'key2':
               566}[1, 2,
               3, 4]
               None of
               the above
```

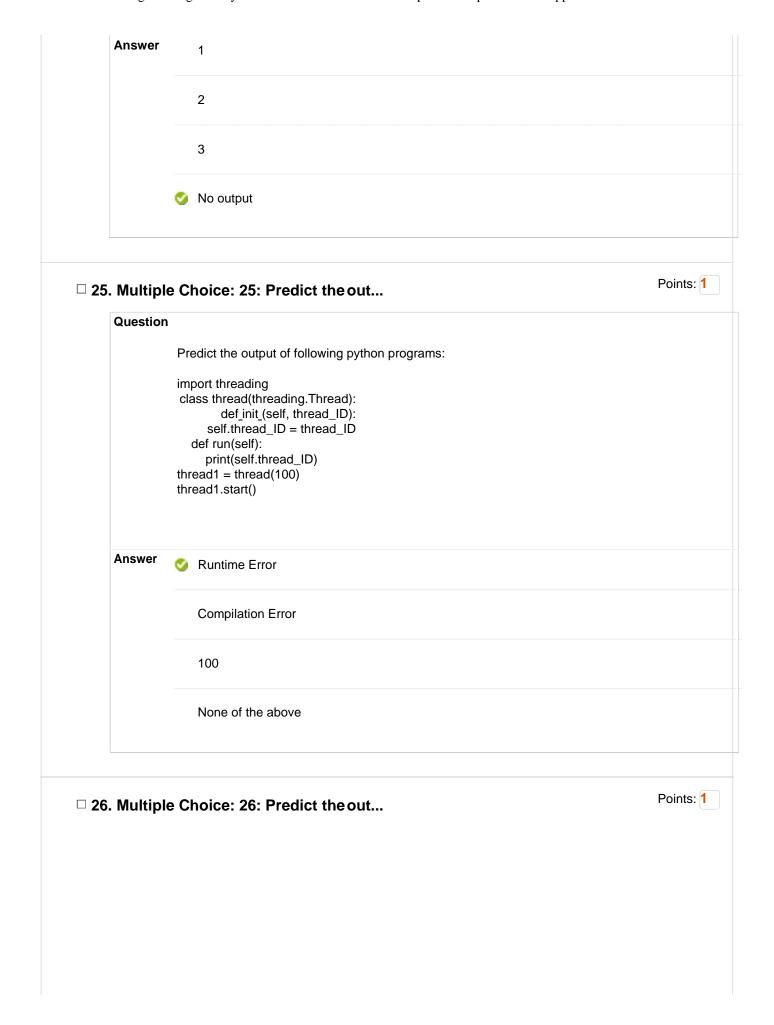
☐ 24. Multiple Choice: 24: Predict the out...

Points: 1

Question

Predict the output of following python programs:

```
i = 1
while True:
if i%3 == 0:
break
print(i)
i + = 1
```



Question	
	Predict the output of following python programs:
	import string Line1 = "And Then There Were None" Line2 = "Famous In Love" Line3 = "Famous Were The Kol And Klaus" Line4 = Line1 + Line2 + Line3 print(string.find(Line1, 'Were'), string.count((Line4), 'And'))
Answer	True 1
	⊘ (15,2)
	True 2
	(15, 4)

$\hfill\Box$ 27. Multiple Choice: 27: Which of the fo...

Points: 1

Question

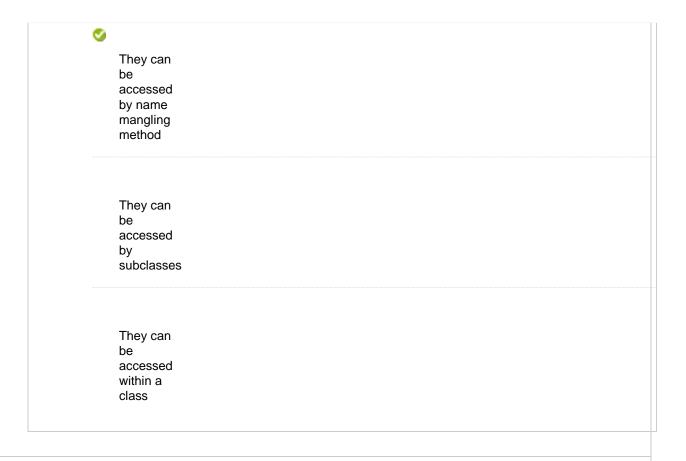
Which of the following statements is true?

Answer

If any exception is thrown in try block, else block is executed

When there is a deviation from the rules of a programming language, a semantic error is thrown

	All raised standard exceptions must be handled in Python			
	•	The standard exceptions are automatically imported into Python programs		
□ 28. N	Multiple (Choice: 28:	Points: 1	
	Question			
	.	exceptions are raised as a result of an error in op	pening a particul	
A	nswer e	IOError		
		IOEIIOI		
		ImportError		
		TypeError		
		ValueError		
□ 29. N	Multiple (Choice: 29: Which of the fo	Points: 1	
Q	Question			
	V	Vhich of the following is false about protected class members?		
A	nswer	They begin with one underscore		



☐ 30. Multiple Choice: 30: Predict the out...

print(obj1, obj2,obj3)

main()

Predict the output of following python programs:

Question

```
Points: 1
```

```
class A:
    def_str_(self):
        return '1'

class B(A):
    def_init_(self):
        super()._init___()

class C(B):
    def_init_(self):
        super()._init___()

def main():
    obj1 = B()
    obj2 = A()
    obj3 = C()
```

Test	Canvas:	CSAI1001	- Program	ıming ı	with P	vthon-I	OT –

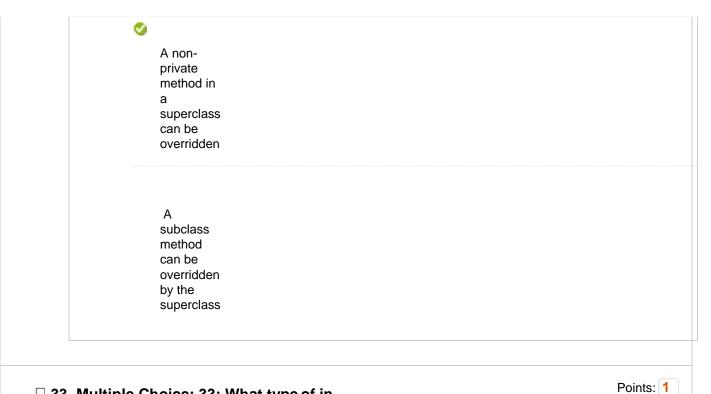
Answer		
	1"1"1'	
	123	



 $\hfill\Box$ 31. Multiple Choice: 31: Predict the out...

Points: 1

```
Question
                  Predict the output of following python programs:
                  class A:
                     def_init_(self):
                       self.multiply(15)
                       print(self.i)
                     def multiply(self, i):
                       self.i = 4 * i;
                  class B(A):
                     def_init_(self):
                       super()._init___()
                     def multiply(self, i):
                       self.i = 2 * i;
                  obj = B()
       Answer
                      15
                  30
                      60
                      An expection is thrown
                                                                                                         Points: 1
☐ 32. Multiple Choice: 32: Which of the fo...
       Question
                  Which of the following statements is true?
       Answer
                      Overriding
                      isn't
                      possible in
                      Python
                      A private
                      method in a
                      superclass
                      can be
                      overridden
```



☐ 33. Multiple Choice: 33: What type of in...

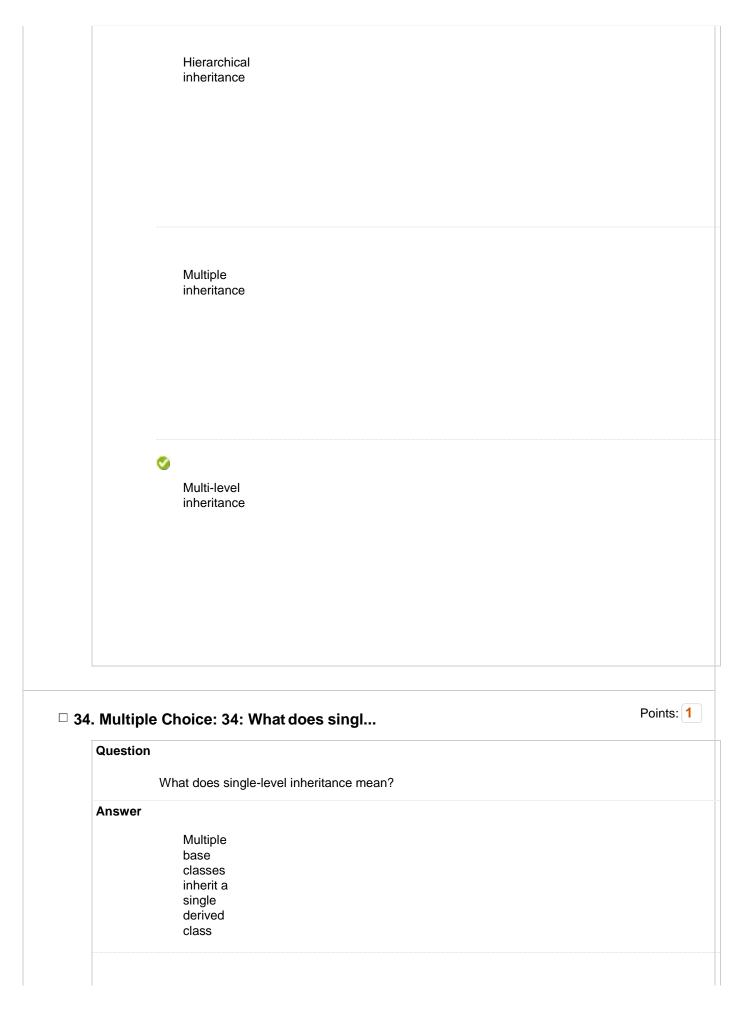
Question

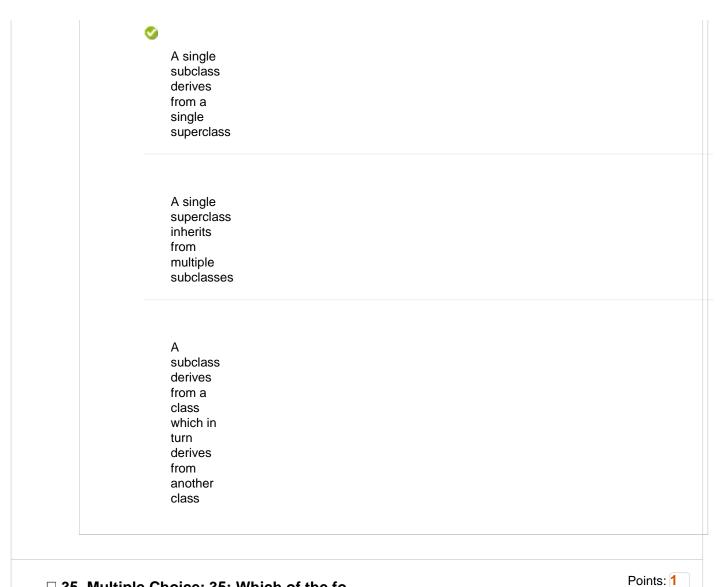
What type of inheritance is illustrated in the following Python code?

class A(): pass class B(A): pass class C(B): pass

Answer

Single-level inheritance





□ 35. Multiple Choice: 35: Which of the fo...

Question

Which of the following statements isn't true?

Answer

The value of a private variable in the superclass can be changed in the subclass

```
A non-
private
method in a
superclass
can be
overridden
A derived
class is a
subset of
superclass
When
invoking the
constructor
from a
subclass,
the
constructor
superclass is
automatically
invoked
```

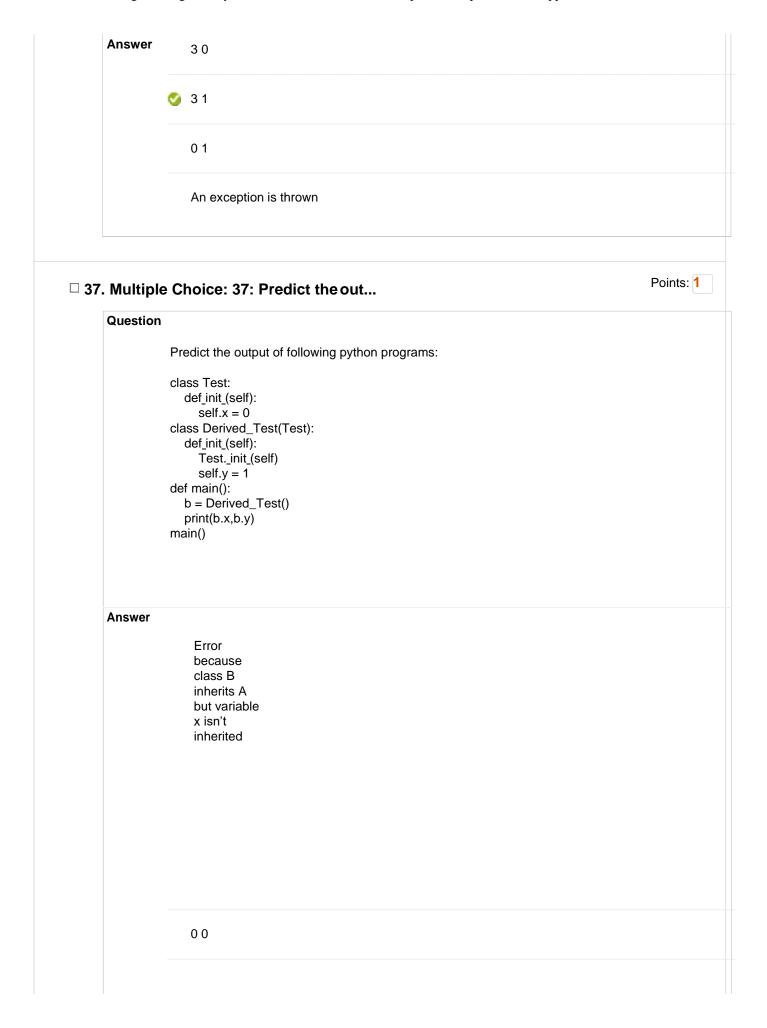
$\hfill\Box$ 36. Multiple Choice: 36: Predict the out...

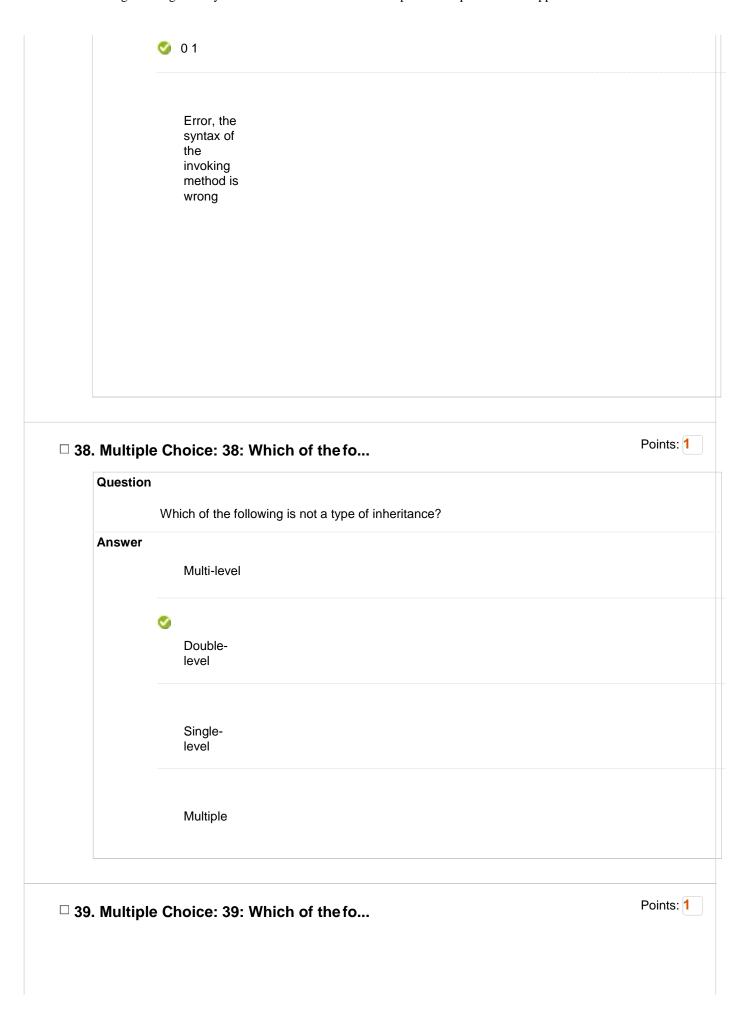
```
Points: 1
```

```
Question
```

Predict the output of following python programs:

```
class A:
  def_init_(self,x):
     self.x = x
  def count(self,x):
     self.x = self.x+1
class B(A):
  def_init_(self, y=0):
     A._init__(self, 3)
     self.y = y
  def count(self):
     self.y += 1
def main():
  obj = B()
  obj.count()
  print(obj.x, obj.y)
main()
```





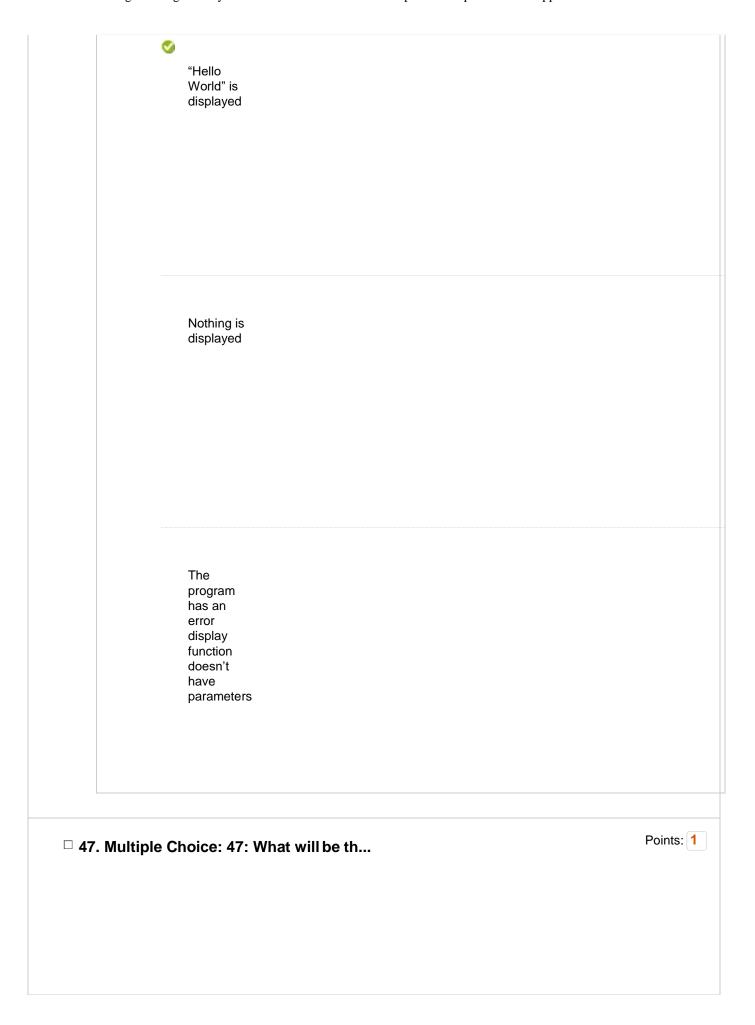
Question	ı	
	Which of the following Python code creates an empty class?	
Answer		
	class A:	
	return	
	class A:	
	⊘	
	class A:	
	pass	
	It is not	
	possible to create	
	an empty	
	class	
. Multipl		Points
. Multipl	le Choice: 40: Which of the fo	Points
	le Choice: 40: Which of the fo	Points
	le Choice: 40: Which of the fo	Points
Question	le Choice: 40: Which of the fo Which of the following statements are true?	Points
Question	le Choice: 40: Which of the fo Which of the following statements are true? When you open a file	Points
Question	class le Choice: 40: Which of the fo Which of the following statements are true? When you open a file for reading,	Points
Question	class le Choice: 40: Which of the fo Which of the following statements are true? When you open a file for reading, if the file does not	Points
Question	class le Choice: 40: Which of the fo Which of the following statements are true? When you open a file for reading, if the file does not exist, an	Points
Question	class le Choice: 40: Which of the fo Which of the following statements are true? When you open a file for reading, if the file does not	Points
Question	le Choice: 40: Which of the fo Which of the following statements are true? When you open a file for reading, if the file does not exist, an error occurs	Points
Question	class le Choice: 40: Which of the fo Which of the following statements are true? When you open a file for reading, if the file does not exist, an error occurs When you	Points
Question	class le Choice: 40: Which of the fo Which of the following statements are true? When you open a file for reading, if the file does not exist, an error occurs When you open a file for writing, if	Points
Question	class le Choice: 40: Which of the fo Which of the following statements are true? When you open a file for reading, if the file does not exist, an error occurs When you open a file for writing, if the file does	Points
Question	class le Choice: 40: Which of the fo Which of the following statements are true? When you open a file for reading, if the file does not exist, an error occurs When you open a file for writing, if	Points

```
When you
                     open a file
                     for writing,
                     if the file
                     exists, the
                     existing
                     file is
                     overwritten
                     with the
                     new file
                     All of the
                     above
                     mentioned
                                                                                                     Points: 1
☐ 41. Multiple Choice: 41: Predict the out...
      Question
                 Predict the output of following python programs:
                 f = None
                 for i in range (5):
                    with open("data.txt", "w") as f:
                      if i > 2:
                         break
                 print(f.closed)
      Answer
                    True
                     False
                     None
                     Error
                                                                                                     Points: 1
☐ 42. Multiple Choice: 42: What will beth...
```

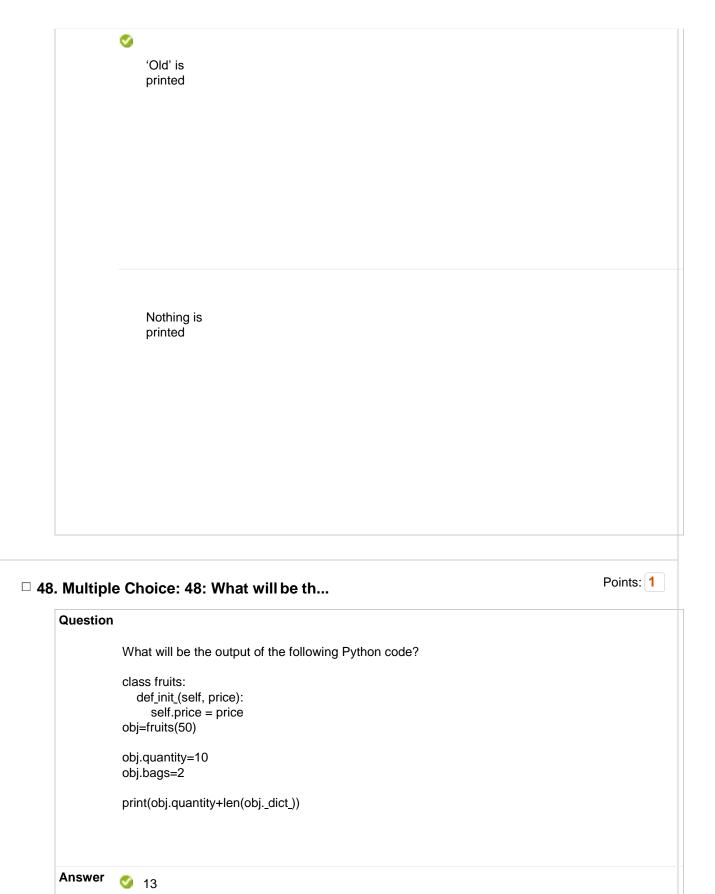
Question		
	What will be the output of the following Python code?	
	import re re.ASCII	
Answer		
Allswei	8	
	64	
	⊘ 256	
	32	
		Points: 1
	e Choice: 43: Which of the fo	
Question		
A	Which of the following statements is false about recursion?	
Answer	F	
	Every recursive	
	function must have a	
	base case	
	Infinite recursion	
	can occur if the base	
	case isn't	
	properly mentioned	
	A recursive	
	function makes the	
	code easier to	
	understand	

```
Every
                     recursive
                    function
                     must
                     have a
                    return
                     value
                                                                                                 Points: 1
☐ 44. Multiple Choice: 44: Predict the out...
      Question
                 Predict the output of following python programs:
                 def a(n):
                   if n == 0:
                     return 0
                   elif n == 1:
                     return 1
                   else:
                     return a(n-1)+a(n-2)
                 for i in range(0,4):
                   print(a(i),end=" ")
      Answer
                    11237
                 🔇 0112
                    123
                    AN exception is thrown
                                                                                                 Points: 1
☐ 45. Multiple Choice: 45: Which function...
      Question
                 Which function overloads the == operator?
      Answer
                     __equ__()
```

```
__eq_()
                     __isequal__()
                     None of
                     the above
                                                                                                    Points: 1
☐ 46. Multiple Choice: 46: What will be th...
      Question
                 What will be the output of the following Python code?
                 class test:
                    def_init_(self,a="Hello World"):
                       self.a=a
                    def display(self):
                       print(self.a)
                 obj=test()
                 obj.display()
      Answer
                     The
                     program
                     has an error
                     because
                     constructor
                     can't have
                     default
                     arguments
```



```
Question
           What will be the output of the following Python code?
           class test:
              def_init__(self):
                 self.variable = 'Old'
                 self.Change(self.variable)
              def Change(self, var):
                 var = 'New'
            obj=test()
           print(obj.variable)
Answer
                Error
                because
                function
                change
                can't be
                called in the
                __init__
function
                'New' is
                printed
```



52

Question		
	What will be the output of the following Python code? def foo(): total += 1 return total total = 0 print(foo())	
Answer	1	
	o error	
	0	
	None of the above	
50 Multis	le Choice: 50: In nython, which	Points:
Question	le Choice: 50: In python, whic	

	capitalize()	
	isdigit()	
	shuffle(lst)	
	tiple Choice: 51: Which of the fo	Points:
Ques		
Ansv	Which of the following is an invalid statement?	
7	a,b,c = 1000, 2000, 3000	
	a_b_c = 1,000,000	
	a b c = 1000 2000 3000	
	abc = 1,000,000	
□ 52. Mul	tiple Choice: 52: What is the val	Points:
Que		
	What is the value stored in sys.argv[0]?	
Ansv	ver	
	null	

Points: 1

```
the first argument

the program's name

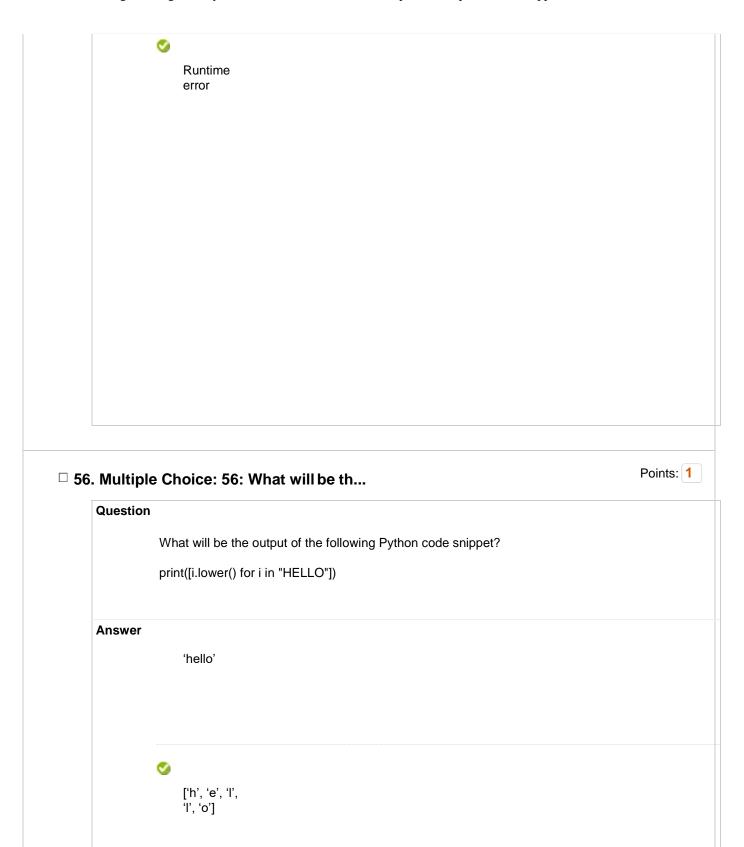
you cannot access it
```

□ 53. Multiple Choice: 53: Fill in the lin...

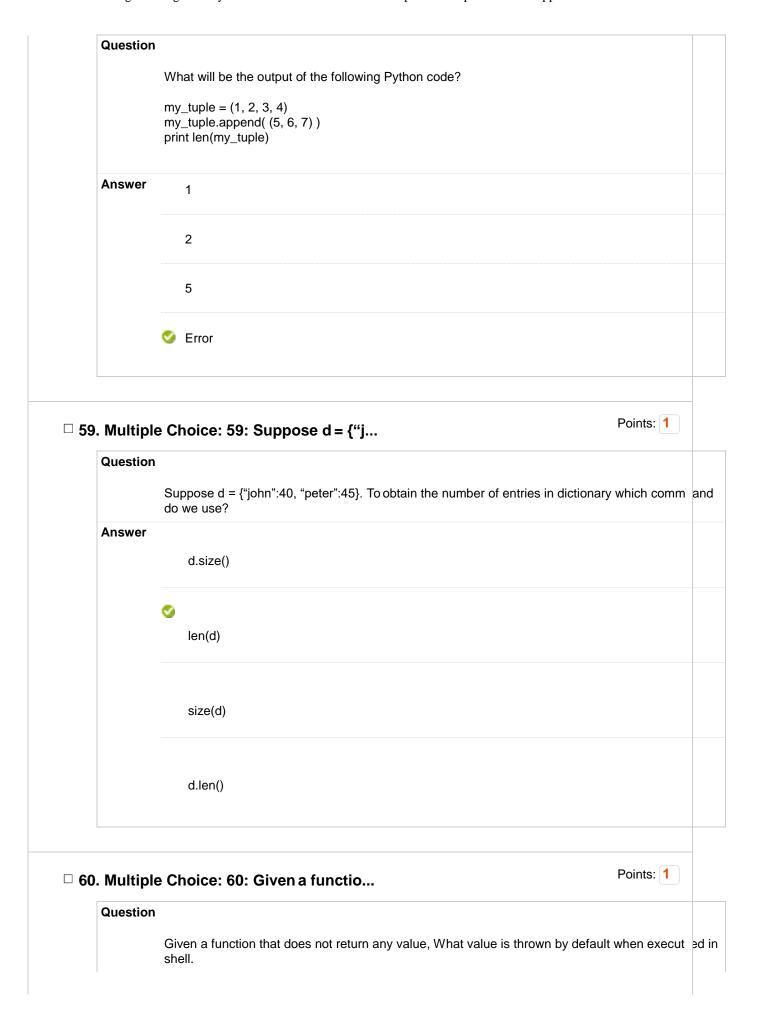
Question	
	Fill in the line of code for calculating the factorial of a number.
	def fact(num): if num == 0: return 1 else: return
Answer	
	(num-1)* (num-2)
	num*(num-1)

```
num*fact(num-1)
                     fact(num)*fact(num-1)
                                                                                                   Points: 1
□ 54. Multiple Choice: 54: What will be th...
      Question
                 What will be the output of the following Python code?
                 class change:
                   def_init_(self, x, y, z):
                      self.a = x + y + z
                 x = change(1,2,3)
                 y = getattr(x, 'a')
                 setattr(x, 'a', y+1)
                 print(x.a)
      Answer
                     4
                     5
                     6
                 ③ 7
                                                                                                   Points: 1
□ 55. Multiple Choice: 55: What is the out...
```

```
Question
           What is the output of the following program?
           import threading
           i = 5
           class thread(threading.Thread):
              def_init_(self, thread_ID, thread_name):
                 threading. Thread. \underline{\ init\_(self)}
                 self.thread_ID = thread_ID
                 self.thread_name = thread_name
              def run(self):
                 i = i + 1
                 print(i)
           thread1 = thread(100, "GFG")
           thread2 = thread(101, "Geeks")
           thread1.start()
           thread2.start()
Answer
               66
               67
                Compilation
                error
```



	hello	
□ 57. Multi	ple Choice: 57: What will be th	Points:
Quest	ion	
	What will be the output of the following Python code?	
	d = {"john":40, "peter":45} d["john"]	
Answe	er	
	"john"	
	"peter"	
	45	
	⊘ 40	



Test Canvas:	CSAI1001	- Programming	with P	vthon-IOT

void bool None None Select: All None Select by Type: - Question Type - Delete and Regrade Points Update and Regrade Hide Question Details	Answer	int
None Select: All None Select by Type: - Question Type -		void
Select: All None Select by Type: - Question Type -		bool
		✓ None