

Question 1

Answer saved

Marked out of 1.00

What is the difference between range() and xrange() in Python 2?

Select one:

- ☐ a. range() returns an object and xrange() returns a list
- ☒ b. range() returns a list and xrange() returns an object
- ☐ c. xrange() does not exist and range() returns an list
- ☐ d. xrange() does not exist and range() returns an object

Question 2

Answer saved

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Is Python case sensitive when dealing with identifiers?

Select one:

- ☒ a. Yes
- ☐ b. No
- ☐ c. Machine dependent
- ☐ d. None of the above

Question 3

Answer saved

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What is the output of the following Python code snippet?

```
nums = [10, 5, 8, 7, 9, 3, 1, 2]
print nums[::3]
```

Select one:

- ☐ a. [7, 9, 3, 1, 2]
- ☐ b. [10, 5, 8, 7, 9]
- ☒ c. [10, 7, 1]
- ☐ d. [8, 3]

Question 4

Answer saved

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What will be printed to standard output if you try to run the following Python 3 code?

```
class Shape(object):  
    sides = 4  
  
class Square(Shape):  
    pass  
  
class Triangle(Shape):  
    pass  
  
print (Shape.sides, Square.sides, Triangle.sides)  
Triangle.sides = Triangle.sides - 1  
print (Shape.sides, Square.sides, Triangle.sides)  
Shape.sides = Square.sides + 2  
print (Shape.sides, Square.sides, Triangle.sides)
```

Select one:

- ☐ a. 4 4 4
4 4 3
6 4 3
- ☒ b. 4 4 4
4 4 3
6 6 3
- ☐ c. A NameError will be raised.
- ☐ d. A SyntaxError will be raised.

Question 5

Answer saved

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What is the output of the following? (Assuming Python 2.x)

```
print type(3/4)
```

Select one:

- ☒ a. <type 'int'=""></type>
- ☐ b. <type 'float'=""></type>
- ☐ c. <type 'double'=""></type>
- ☐ d. <type 'fraction'=""></type>