

What is the expected output of the following code?

```
1 | x = "The Wolf and 7 Little Goats"
2 | print(x.split()[2].isdigit())
3 |
4 | print(x.find("seven"))
```

Q316 (If you want to write me about this question, please refer to this number)

☐ **False**
False

☐ **False**
-1

☐ **True**
False

☐ **True**
-1

Which of the following statements is true about multiple inheritance in Python?

Q408 (If you want to write me about this question, please refer to this number)

- ☐ **Multiple inheritance is not supported in Python.**
- ☐ **A subclass can only inherit from one superclass.**
- ☐ **A subclass can inherit from multiple superclasses.**
- ☐ **If a subclass inherits from multiple superclasses and those superclasses have conflicting methods, an error will occur.**

What is true? (Select two true statements.)

Q246 (If you want to write me about this question, please refer to this number)

☐ **UCS-4 uses 4 bits to store each character.**

☐ **Python 3 fully supports Unicode and UTF-8.**

☐ **ASCII increases a text's size by four times compared to standard UCS-4.**

☐ **You can use Unicode/UTF-8 encoded characters to name variables and other entities in Python.**

What is true about the following code snippet:

(Select two answers.)

```
1 | class E(Exception):
2 |     def __init__(self):
3 |         self.message = message
4 |     def __str__(self):
5 |         return "it's nice to see you"
6 |
7 | try:
8 |     print("I feel fine")
9 |     raise Exception("what a pity")
10 | except E as e:
11 |     print(e)
12 | else:
13 |     print("the show must go on")
```

Q716 (If you want to write me about this question, please refer to this number)

☐ The string "what a pity" will be seen

☐ The string "I feel fine" will be seen

☐ The code will raise an unhandled exception

☐ The string: "it's nice to see you" will be seen

Which of the following functions belong to the `math` module? (Select two answers.)

Q165 (If you want to write me about this question, please refer to this number)

☐ `hypot()`

☐ `ceil()`

☐ `seed()`

☐ `random()`

Which of the following statements is true about the difference between a class and an object in Python?

Q343 (If you want to write me about this question, please refer to this number)

☐ A class and an object are the same thing.

☐ An object is a blueprint for creating classes, while a class is an instance of an object.

☐ A class and an object are both instances of another class.

☐ A class is a blueprint for creating objects, while an object is an instance of a class.

Which of the following code blocks correctly catches a `ZeroDivisionError` exception in Python?

Q185 (If you want to write me about this question, please refer to this number)

☐

```
1 | # Option D
2 | try:
3 |     x = 1 / 0
4 | except:
5 |     print("Caught an exception")
```

☐

```
1 | # Option A
2 | try:
3 |     x = 1 / 0
4 | except ValueError:
5 |     print("Caught a ValueError")
```

☐

```
1 | # Option C
2 | try:
3 |     x = 1 / 0
4 | except Exception:
5 |     print("Caught an Exception")
```

☐

```
1 | # Option B
2 | try:
3 |     x = 1 / 0
4 | except ZeroDivisionError:
5 |     print("Caught a ZeroDivisionError")
```

What is the output of the following code in Python?

```
1 | class Book:
2 |     def __init__(self, title, author):
3 |         self.title = title
4 |         self.author = author
5 |
6 |     def print_info(self):
7 |         print(f"Title: {self.title}")
8 |         print(f"Author: {self.author}")
9 |
10 |
11 | class Novel(Book):
12 |     def __init__(self, title, author, genre):
13 |         self.genre = genre
14 |
15 |
16 | n = Novel("1984", "George Orwell", "Dystopian Fiction")
17 | n.print_info()
```

Q450 (If you want to write me about this question, please refer to this number)

- ☐ "Title: 1984", "Author: George Orwell"
- ☐ 'Novel' object has no attribute 'title'
- ☐ "Title: 1984", "Author: George Orwell", "Genre: Dystopian Fiction"
- ☐ Error: subclass init method not defined

Given a string `s` of any length, which slice operation will return an empty string?

Q745 (If you want to write me about this question, please refer to this number)

☐ `s[0:0]`

☐ `s[1:1]`

☐ `s[-1:-1]`

☐ All of the above.

What is the expected output of the following code?

```
1  x = 'two'
2  y = 0
3  try:
4      y = int(x)
5  except Exception:
6      y = 1
7  except:
8      y = 2
9  else:
10     y = 3
11  print(y)
```

Q236 (If you want to write me about this question, please refer to this number)

☐ 2

☐ 0

☐ 3

☐ 1

What does the write() method return?

Q592 (If you want to write me about this question, please refer to this number)

- ☐ **The write() method returns the total number of characters written to the file, including any whitespace or special characters.**
- ☐ **The write() method returns a number of successfully written bytes**
- ☐ **The write() method returns the number of lines written to the file.**
- ☐ **The write() method returns the file object after writing the data.**

Select true statements. (Select two answers.)

Q160 (If you want to write me about this question, please refer to this number)

☐ The version function from the platform module returns a string with your Python version.

☐ The version function from the platform module returns a string with your OS version.

☐ A PWG-lead repository, collecting open-source Python code, is called PyRep.

☐ A PWG-lead repository, collecting open-source Python code, is called PyPI.

What is the output of the following code?

```
1 def greet(name):  
2     if not isinstance(name, str):  
3         raise TypeError("Name must be a string!")  
4     print(f"Hello, {name}!")  
5 greet(42)
```

Q200 (If you want to write me about this question, please refer to this number)

☐ The output will be "Hello, World!"

☐ The code will raise a `NameError`.

☐ The output will be "Hello, 42!"

☒ The code will raise a `TypeError`.

What is the output of the following code in Python?

```
1 class A:
2     x = 5
3
4 class B(A):
5     x = 10
6
7 class C(A):
8     pass
9
10 class D(B, C):
11     pass
12
13 obj = D()
14 print(obj.x)
```

Q487 (If you want to write me about this question, please refer to this number)

☐ Error

☐ 10

☐ 5

☐ None of these

What is the output of the following code in Python?

```
1 numbers = [1, 2, 3, 4, 5]
2 result = map(lambda x: x**2, filter(lambda x: x%2==0, numbers))
3 print(list(result))
```

Q532 (If you want to write me about this question, please refer to this number)

☐ [1, 3, 5]

☐ [4, 16]

☐ [1, 4, 9, 16, 25]

☐ [2, 4, 6, 8, 10]

What is the output of the following code in Python?

```
1 | class A:  
2 |     pass  
3 |  
4 | class B(A):  
5 |     pass  
6 |  
7 | class C(B):  
8 |     pass  
9 |  
10 | obj = C()  
11 | print(isinstance(obj, (A, B)) is not False)
```

Q423 (If you want to write me about this question, please refer to this number)

☐ Error

☐ False

☐ None

☐ True

Consider the following code snippet:

```
1 | with open("file.txt", "w") as f:  
2 |     f.write("line 1\nline 2\nline 3")  
3 |  
4 | with open("file.txt", "r") as f:  
5 |     lines = f.readlines()  
6 |  
7 | with open("file.txt", "a") as f:  
8 |     f.write("\nline 4")  
9 |  
10 | print(len(lines))
```

What will be printed to the console when this code is executed?

Q597 (If you want to write me about this question, please refer to this number)

☐ 5

☐ 3

☐ 4

☐ 6

What is true? (Select two true statements.)

Q205 (If you want to write me about this question, please refer to this number)

☐ Exception is the name of the most general of all Python exceptions

☐ You should use KeyboardInterrupt to protect your code from being interrupted through the use of the keyboard.

☐ MemoryError will be raised through the following unsuccessful evaluation `huge_value = 1E250 ** 2`

☐ LookupError is an abstract Exception.

What is the expected output of the following code?

```
1 class A:
2     def __init__(self):
3         self.i = 42
4
5     def func(self):
6         self.i = 13
7
8
9 class B(A):
10     def func(self):
11         self.i += 2
12         return self.i
13
14
15 b = B()
16 print(b.func())
```

Q378 (If you want to write me about this question, please refer to this number)

☐ 42

☐ 44

☐ 13

☐ Raises a `TypeError`

What is the output of the following code in Python?

```
1 | class Rectangle:
2 |     def __init__(self, width, height):
3 |         self.width = width
4 |         self.height = height
5 |
6 |     def area(self):
7 |         return self.width * self.height
8 |
9 |     def perimeter(self):
10 |         return 2 * (self.width + self.height)
11 |
12 |
13 | rect = Rectangle(3, 4)
14 | print(rect.area(), rect.perimeter())
```

Q383 (If you want to write me about this question, please refer to this number)

☐ 12 18

☐ 15 22

☐ 12 14

☐ 16 24

What is the output of the following code in Python?

```
1 | class MyException(Exception):
2 |     def __init__(self, message):
3 |         self.message = message
4 |         super().__init__(self.message)
5 |
6 | def foo(x):
7 |     if x < 0:
8 |         raise MyException("x cannot be negative")
9 |     else:
10 |         print("x is positive")
11 |
12 | try:
13 |     foo(-1)
14 | except MyException as e:
15 |     print(e.message)
```

Q477 (If you want to write me about this question, please refer to this number)

☐ **MyException: x cannot be negative**

☐ **x cannot be negative**

☐ **None of these.**

☐ **MyException**

What is the output of the following code in Python?

```
1 | class A:
2 |     def a(self):
3 |         print('a')
4 |
5 | class B:
6 |     def a(self):
7 |         print('b')
8 |
9 | class C(A,B):
10 |     def c(self):
11 |         self.a()
12 |
13 | obj = C()
14 | obj.c()
```

Q502 (If you want to write me about this question, please refer to this number)

☐ **b**

☐ **c**

☐ **a**

☐ **Error**

What is the expected output of the following snippet:

```
1 | class Bird:
2 |     def sound(self):
3 |         return 'chirp'
4 |
5 | class Sparrow(Bird):
6 |     def sound(self, loud=False):
7 |         return super().sound().upper() if loud else super().sound()
8 |
9 | birdie = Sparrow()
10 | print(birdie.sound(True))
```

Q715 (If you want to write me about this question, please refer to this number)

☐ None

☐ chirp

☐ Error: Too many arguments

☐ CHIRP

What is the expected output of the following code?

```
1 data = 'qwerty'
2
3 def f(x):
4     del x[1]
5     return x
6
7 print(f(data))
```

Q311 (If you want to write me about this question, please refer to this number)

☐ "werty"

☐ "qerty"

☐ None of these.

☐ The code is erroneous.

What is the output of the following code in Python?

```
1 class A:
2     def foo(self):
3         print("A")
4
5 class B(A):
6     pass
7
8 class C(A):
9     def foo(self):
10        print("C")
11
12 class D(B, C):
13     pass
14
15 obj = D()
16 obj.foo()
```

Q464 (If you want to write me about this question, please refer to this number)

☐ A

☐ Error

☐ C

☐ B

Which of the following methods can be used to convert a Python string to lowercase?

Q740 (If you want to write me about this question, please refer to this number)

☐ **transformToLower()**

☐ **downcase()**

☐ **to_lower()**

☐ **lower()**

Which 'math' module function calculates the hypotenuse of a right triangle given its two sides?

(Q707 - If you want to write me about this question, please refer to this number)

☐ **floor()**

☐ **sqrt()**

☐ **ceil()**

☐ **hypot()**

☐ **It is not possible with math module**

What is true? (Select two answers.)

Q353 (If you want to write me about this question, please refer to this number)

☐ **Modifying an instance variable of any object impacts all the remaining objects.**

☐ **Instances are more closely connected to objects than to classes.**

☐ **Modifying an instance variable of any object has no impact on all the remaining objects.**

☐ **instances are more closely connected to classes than to objects.**

What is the expected output of the following code?

```
1  import math
2
3  try:
4      print(math.pow(3))
5  except TypeError:
6      print('a')
7  else:
8      print('b')
```

Q241 (If you want to write me about this question, please refer to this number)

☐ a

☐ The code is erroneous.

☐ b

☐ ab