

# Python Reassessment BC-100

Points: 17/20

Time: 35:43

✓ **Correct** 1/1 Points

1

What will be the output of the following Python code?

```
company = "TorryHarris"
while i in company:
    print(i, end=" ")
```

- ☐ TorryHarris
- ☐ TorryHarris
- ☐ ['T', 'o', 'r', 'r', 'y', 'H', 'a', 'r', 'r', 'i', 's']
- ☒ error

✓ **Correct** 1/1 Points

2

What will be the output of the following Python code?

```
class A:
    def __init__(self,x=3):
        self._x = x
class B(A):
    def __init__(self):
        super().__init__(5)
    def display(self):
        print(self._x)
def main():
    obj = B()
    obj.display()

main()
```

☒ 5

☐ Error, class member x has two values

☐ 3

☐ Error, protected class member can't be accessed in a subclass

✓ **Correct** 1/1 Points

3

What will be the output of the following Python code?

```
try:
    if '1' != 1:
        raise "someError"
    else:
        print("someError has not occurred")
except "someError":
    print("someError has occurred")
```

- ☐ someError has occurred
- ☐ someError has not occurred
- ☒ invalid code
- ☐ none of the mentioned

✓ **Correct** 1/1 Points

4

What will be the output of the following Python code?

```
i = 1
while True:
    if i%2 == 0:
        break
    print(i)
    i += 2
```

- ☐ 1
- ☐ 1 2
- ☐ 1 2 3 4 5 6 .....
- ☒ 1 3 5 7 9 11 .....

✗ **Incorrect** 0/1 Points

5

You have a string text containing a sentence, and you want to count the number of words in it. Which code snippet accomplishes this efficiently?

- ☐ word\_count = len(text.split())
- ☐ word\_count = text.count(' ') + 1
- ☒ word\_count = len(text) - text.count(' ')
- ☐ word\_count = len(text.split(' '))

✗ **Incorrect** 0/1 Points

6

Which of the following is not an exception in Python?

- ☐ ValueError
- ☒ SyntaxError
- ☐ NoSuchFileError
- ☐ IndexError

✓ **Correct** 1/1 Points

7

What will be the output of the following Python code snippet?

```
my_string = "hello world"
k = [(i.upper(), len(i)) for i in my_string]
print(k)
```

- ☐ [('HELLO', 5), ('WORLD', 5)]
- ☒ [('H', 1), ('E', 1), ('L', 1), ('L', 1), ('O', 1), (' ', 1), ('W', 1), ('O', 1), ('R', 1), ('L', 1), ('D', 1)]
- ☐ [('HELLO WORLD', 11)]
- ☐ none of the mentioned

✓ **Correct** 1/1 Points

8

Given two lists, 'list1' and 'list2', how can you find the elements that are common between the two lists?

- ☒ [x for x in list1 if x in list2]
- ☐ [x for x in list1 if x not in list2]
- ☐ [x for x in list2 if x not in list1]
- ☐ list1 & list2

✓ **Correct** 1/1 Points

9

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()
```

- ☐ The program has an error because constructor can't have default arguments
- ☐ Nothing is displayed
- ☒ "Hello World" is displayed
- ☐ The program has an error display function doesn't have parameters

✓ **Correct** 1/1 Points

10

What will be the output of the following Python code?

```
company = "TorryHarris"  
for i in range(company):  
    print(i)
```

- ☐ a b c d
- ☐ 0 1 2 3
- ☒ error
- ☐ none of the mentioned

✓ **Correct** 1/1 Points

11

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)
```

- ☐ Error because function change can't be called in the `__init__` function
- ☐ 'New' is printed
- ☒ 'Old' is printed
- ☐ Nothing is printed

✓ **Correct** 1/1 Points

12

What will be the output of the following Python code?

```
class A:
    def __init__(self):
        self.multiply(15)
    def multiply(self, i):
        self.i = 4 * i;
class B(A):
    def __init__(self):
        super().__init__()
        print(self.i)

    def multiply(self, i):
        self.i = 2 * i;
obj = B()
```

- ☐ 15
- ☒ 30
- ☐ An exception is thrown
- ☐ 60

✓ **Correct** 1/1 Points

13

What will be the output of the following Python code snippet?



```
for i in [1, 2, 3, 4][::-1]:  
    print (i, end=" ")
```

- ☒ 4 3 2 1
- ☐ error
- ☐ 1 2 3 4
- ☐ none of the mentioned

✓ **Correct** 1/1 Points

14

Which of these definitions correctly describes a module?

- ☐ Denoted by triple quotes for providing the specification of certain program elements
- ☒ Design and implementation of specific functionality to be incorporated into a program
- ☐ Defines the specification of how it is to be used
- ☐ Any program that reuses code

✓ **Correct** 1/1 Points

15

What will be the output of the following Python code?

```
def f1():  
    x=15  
    print(x)  
x=12  
f1()
```

- ☐ 12
- ☒ 15
- ☐ error
- ☐ none of the above

✓ **Correct** 1/1 Points

16

What is the primary difference between a set and a frozenset in Python?

- ☒ Sets are mutable, while frozensets are immutable.
- ☐ Sets can contain duplicate elements, but frozensets cannot.
- ☐ Frozensets can contain elements of different data types, but sets cannot.
- ☐ Sets have built-in functions like add() and remove(), while frozensets do not.

✓ **Correct** 1/1 Points

17

What will be the output of the following Python code?

```
class A():  
    def disp(self):  
        print("A disp()")  
class B(A):  
    pass  
obj = B()  
obj.disp()
```

- ☐ Invalid syntax for inheritance
- ☐ Error because when object is created, argument must be passed
- ☐ Nothing is printed
- ☒ A disp()

✓ **Correct** 1/1 Points

18

What will be the output of the following Python code?

```
def f(x):  
    yield x  
g=f(8)  
print(next(g))
```

- ☒ 8
- ☐ 9
- ☐ 7
- ☐ Error

✓ **Correct** 1/1 Points

19

Which are the two built-in functions to read a line of text from standard input, which by default comes from the keyboard?

- ☒ Raw\_input & Input
- ☐ Input & Scan
- ☐ Scan & Scanner
- ☐ Scanner

✗ **Incorrect** 0/1 Points

20

Question You are working on a project that requires you to read and process a large text file line by line to extract specific information. Which Python construct is most suitable for this task?

- ☐ List comprehension
- ☒ Generator expression
- ☐ For loop
- ☐ While loop

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