Post-Assessment

August 10, 2019

1. what is the result of the below statement:

```
sum(i*i for i in range(10))
```

```
a) TypeError: sum expected at most 2 arguments, got 10
b) 285
c) None of Above
```

2. What does the Python Enhancement Proposal PEP 8 deals with

```
a) bug fixing
b) coding style guide
c) named tuple
```

3. What is the result of the statement: num1 = pow(8, 2, 10)

```
a) 64
b) 74
c) 4
```

4. What is the result of the following:

```
mylist = ['a', 'b', 'c', 'd', 'e']
print(list[56:999])
a) []
b) Error
c) ['a', 'b', 'c', 'd', 'e']
```

5. What is the result of the statement:

```
a, *b, c = 1, 2, 3, 4, 5
print(b)
a) 2
b) Error
c) (2, 3, 4)
```

6. What is the result of the statement:

```
from functools import reduce
print(reduce(lambda x, y: x*y, range(1,9)))
a) 40320
b) TypeError: <lambda>() missing 1 required positional argument: 'y'
c) None of Above
```

7. What is the alogorithm used for generating random numbers in python:

```
a) Mersenne Twister
b) random algorithm
c) Fisher-Yates algorithm
```

8. What is the result of the following:

```
    print('Yes' if True else False)
a) No
b) Yes
c) Error
```

9. What is the result of the following:

```
print(''.join(chr(ord(i)+1) for i in 'python'))
a) 'python'
b) 's|wkrq'
c) 'qzuipo'
```

10. What is the result of the following:

```
print(1 + '1')
a) 2
b) TypeError: unsupported operand type(s) for +: 'int' and 'str'
c) '11'
```

11. What is the result of the following:

```
print(type(range))

a) range
b) list
c) Error
```

12. What is the result of the following:

```
sum(map(int, [i for i in '1231jh123jh123' if i.isdigit()]))

a) 19
b) Error
c) <map at ...>
```

13. What is the result of the following:

```
L1 = [1, 2]; L2 = L1[::]; print(L1 is L2)

a) True
b) False
c) Error
```

14. What is the result of the following:

```
max(1, 2, 2, 3, 6.6, 6)

a) 6
b) can't operate between int and float
c) 6.6
```

15. What is the result of the following

```
print('1', '2', '3', sep='\t')
a) 1       2       3
b) 1\t2\t3
c) 1 2 3
```