

Pre-Assessment Test

August 10, 2019

1. what is the result:

```
A0 = zip(('a','b','c','d','e'),[1,2,3,4,5])
A1 = dict(A0)
A2 = sorted(A0)
```

A2 = ?

a) Type Error

b) []

c) [('a', 1), ('b', 2), ('c', 3), ('d', 4), ('e', 5)]

2. If a string `myString = 'Python Programming'`, *what is the value of* `myString[-len(myString) : len(myString)][::-1]` *a)* 'gnimmargorP nohtyP' *b)* 'Python Programming\$' *c)* Invalid Syntax

__3.__ Observe the following code:

```
a = 200
```

```
b = 200
```

```
c = id(a) == id(b)
```

```
x = 300
```

```
y = 300
```

```
z = id(x) == id(y)
```

```
print(c == z)
```

what will be the result, when executed in the python interactive mode.

a) True

b) False

c) None of Above

__4.__ What is the result of `set1 = {1, 'Python', True}; print(set1)`

a) {1, 'Python', True}

b) {'Python', True}

c) {1, 'Python'}

__5.__ what is the result of the statements: `b = dict(one=1, two=2, three=3); print(b)`

- a) Exception with message - More than one argument passed to function 'dict'
- b) `{one: 1, two: 2, three: 3}`
- c) `{three: 3}`

__6.__ What is the result of `set2 = {45,1,2,3,2,3,3,4,5,6,4,4,4,45,45}; print(set2)`

- a) `{45,1,2,3,2,3,3,4,5,6,4,4,4,45,45}`
- b) `{1, 2, 3, 4, 5, 6, 45}`
- c) None of Above

__7.__ What is the result of `values = (i for i in [1, 2, 3, 4]);print(values)`

- a) <generator object <genexpr> at ...
- b) (1, 2, 3, 4)
- c) ([1, 2, 3, 4],)

__8.__ What is the error that occurs for `set.discard(element)`, when the element is not present

- a) `KeyError`
- b) `ValueError`
- c) No Exception. Just Ignores

__9.__ what is the result of the following problem:

```
x = 5
y = 3
assert x<y, "x has to be smaller than y"
```

- a) False
- b) "x has to be smaller than y"
- c) `AssertionError`

__10.__ What is the result: `print(re.search('a?b?', 'bbabbbbb').group())`

- a) b
- b) ab
- c) `AttributeError: 'NoneType' object has no attribute 'group'`

__11.__ What is the result: `re.split('[().]', '244.255.190.23')`

- a) `['244.255.190.23']`
- b) `['244', '255', '190', '23']`
- c) `'244.255.190.23'`

__12.__ For which integer, the below function will result True

```
def check(x):  
    if x+1 is 1+x:  
        return False  
    if x+2 is not 2+x:  
        return False  
    return True
```

- a) check(-7)
- b) check(10)
- c) check(254)

__13.__ what is the result of the following:

```
def foo(x): x[0] = ['def'] x[1] = ['abc'] return id(x) a = ['abc', 'def'] print(id(a) == foo(a))
```

- a) False
- b) True
- c) results in exception

__14.__ What is the result of the following:

```
value = 1234567890.88  
print("{:,}".format(value))
```

- a) 1234567890.88
- b) 1,234,567,890.88
- c) Error

__15.__ What is the name of the algorithm used for sorting in python

- a) timsort
- b) bubble sort
- c) quick sort

'''