

## Interview Question paper Set-4

1. If a string myString = 'Python Programming\$', what is the value of myString[-len(myString):len(myString)] [::-1]

2. 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, that will be display on console.

3. What is the simplest way to remove duplicates in the list, myList = [45,1,2,3,2,3,3,4,5,6,4,4,4,45,45] ?

4. what is the error that occurs for set.discard(element), when the element is not present in the set

5. Write three functions absolute(). Prompt the user to feed an integer (). The result should mimick the functionality of built-in function abs()

ex:

```
In [1]: abs(9)
Out[1]: 9
```

```
In [2]: abs(-9)
Out[2]: 9
```

```
In [3]: abs(0)
Out[3]: 0
```

```
In [4]: abs(2+3j)
Out[4]: 3.6055512754639896
```

6. what is the result of the following problem:

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

7. If varList = xrange(9), what is the result of type(varList)

8. Demonstrate the difference between re.search() and re.match(), with an example?

9. write a script to implement the single linked list?

10. Write a program to display the below pattern:

```
    1
  1 1 1
1 1 1 1 1
1 1 1 1 1 1
  1 1 1 1
    1 1 1
      1
```