Interview Question paper Set-3

1. If a string myString = 'Python Programming$', what is the value of myString[-0:-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 result of this operation:

```
tc = (i for i in range(9)); [i.next() for i in tc]
```

4. what is the result of set('Python Programming') and set(1221)

5. Write a function to implement the caesar cipher, for the given input.

```
ex1: input   --> 'Python'
      output --> 'Qzuipo'
ex2: input -->   'One day, I will achieve my goal!'
      output ->   'Pof!ebz-!J!xjmm!bdijfwf!nz!hpbm"'
HINT: use chr() and ord() builtin functions
```

6. what is the result of the following problem:

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

7. Write a regular expression to match the email IDs.

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  1
            1
```