Interview Question paper Set-2

1. If a string myString = 'Python Programming$', demonstrate the difference between myString.find() and myString.index()?

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. If mylist = [0, -1, 3, 5, 6], what is the difference between mylist.sort() and sorted(mylist)?

4. what is the difference between dictionary attributes: pop() and popitem() ?

5. Write a function to highlist the vowels, case-insensitively, in the input string, which will be given as runtime input.

6. write a recursive function to display the reverse of a given string, using recursive function.

```
ex:'Python' -> 'nohtyP'
```

7. what is the result of the below statement:

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

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
```