## **Tutorial 4**

- 1. Given x = [1, 2, 3], write the Python code to:
  - (a) Create a list y such that changing x also changing y
  - (b) Create a list y such that changing x does not change y

```
x,y: [1, 555, 3] [1, 555, 3]
x,y: [1, 555, 3] [1, 2, 3]
```

2. Come up with four different ways to create list of 25 1's without simply typing 25 1's(Hint: You can use for and while loop with append() method for two of the ways)

3. Write a code using a for loop that take a string S as an argument and returns S in reversed order. For example if S = "Python", it should return "nohtyP"

```
Enter a string : Python
The reversed of Python is nohtyP
```

4. Write a code to count how many words (case in insensitive) in a string, and print how many does each word appear in the string.

```
Enter a string: Abu went to FESKUM
today. Abu went with Ali.
There are 9 words.
The occurrences of each word are:
abu:
ali:
        1
feskum: 1
to:
        1
today:
        1
went:
        2
with:
        1
```