

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)

```
[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]
[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]
[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]
[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]
```

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
```