# Python LAB 4 Questions

Fundamentals of data science

1. x = 0

def add\_one(x):

x = x+1

return (x)

add\_one(x)

print(x)

What should be the output of print command

1. Write a function to return maximum of 3 numbers.
2. Write a function which takes any list as an input and returns the reversed list
3. With a given integral number n, write a program to generate a dictionary that contains (i, i\*i) such that is an integral number between 1 and n (both included). and then the program should print the dictionary.

Suppose the following input is supplied to the program:

8

Then, the output should be:

{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}

1. Write a function which takes string as an input and prints if the given string is a palindrome or not
2. Ask a user for a string which has multiple words in it. Print back to the user the same string, except with the words in backwards order. For example, say I type the string:  
   “My name is Michele”

Then I would see the string:

“Michele is name My”

Hint: You can use .split() and .join() function here for splitting and joining strings.