**OOSD Lab – Functions** (based on Lab sheets 3 and 4)

**Exercise 1**: Write a function that takes a number as a parameter and prints the numbers from 1 to that number on the screen.

**Exercise 2**: Write a function that takes a number as a parameter and iterates from 0 to that number. For each iteration, it will check if the current number is even or odd, and report that to the screen (e.g. "1 is odd, 2 is even").

**Exercise 3**: Write a function that takes a number as a parameter, iterates from 0 to that number, and for each iteration of the loop, multiplies the current number by 9 and prints the result (e.g. "2 \* 9 = 18").

**Exercise 4**: Write a function that asks the user for a number and prints the sum of all numbers from 1 to the number they enter.

**Exercise 5**: Write a function to print a factorial of a number.

**Exercise 6:** Write a function that takes a string as a parameter and returns a sting that is made up of the first two characters and the last two characters. If the string has a length less than 4 the program prints a message on the screen.

For example: “**he**llo the**re**” will result in “here”

**Additional exercises:**

**Exercise 7**: Write a Python program to remove the characters which have odd index values of a given string. The function should return the new string.

**Exercise 8**: Write a Python function to get the first half of a specified string of even length   
Sample function and result:   
string\_first\_half('Python') should return Pyt

**Exercise 9**: Write a Python function to insert a string in the middle of a string. Sample function and result:   
insert\_sting\_middle('{{}}', 'PHP') -> {{PHP}}

**Exercise 10**: Write a Python function that takes a string and two indices, and returns a string with the part between the indices removed.

For example: remove\_substring(“He**llo** **t**here”, 2, 6) -> “Hehere”