

# Week 7 Exercises

**Exercise #1:** Create a Python program that asks the user to input his name, and the program will print the name in reverse order using for loops.

**Exercise #2:** Create a Python program that sums up all the digits of your student ID using for loops, Example: if your SID = 190876, then the result is 31.

**Exercise #3:** Write a Python program which contains a function that prints a Pyramid of stars as follows: The top of the tree is one star, the bottom (base) of the Pyramid is as long as double the length of your name. Example, if the name is "Ali", the length is 3, then the tree would like this:

```
  *
 **
***
****
*****
*****
*****
```

**Exercise #4:** Create a Python program that takes your full name, and then sums up the position of each character in the English alphabet to create a unique number. Example, if your full name is: Ahmed Ali. Then A's position is 1, h's position is 8, and so on...The program then adds these numbers and prints: "Your unique number is: 76". Note that whenever your program encounters a space in your full name, give it a position of 0.