

For this assignment you will define five different functions and then call each one.

1. Define a function that returns a list of the **square of numbers** from 1 to 10 (both included). (15 points)
2. Define a function that receives two arguments, **a list of numbers** (numList = [21, 25, 32, 92, 42, 58, 65, 83, 18]) and **a number** (number=37). It should return the **count of the numbers** in the list that are larger than the number and their **average** of the numbers in this list that are larger than the number. (20 points)
3. Define a function that takes a list of 8 students' grades (grades = [92, 78, 99, 83, 76, 89, 60, 84]) and prints the **minimum** and **maximum** grade. (20 points)
4. Define a function that takes as an argument a **matrix** = [[1, 2, 3], [4, 5, 6], [7, 8, 9]] and returns a list [1, 2, 3, 4, 5, 6, 7, 8, 9]. (20 points)
5. Define a function that takes three arguments: **a list of words** (oldList=['grade', 'wide', 'den', 'day']), **a character ('d')** to replace in each word, and **another character ('p')** to insert and creates a new list with the transformed words. (oldList=['grade', 'wide', 'den', 'day'] ---> newList=['grape', 'wipe', 'pen', 'pay']) (25 points)

## Deliverables:

- Your Python script (100 points)