

### **Exercises (Functions)**

- 1) Write a function that computes the number of upper case letters and lower case letters of a given string.
- 2) Write a function that computes the number of vowels in a given string.
- 3) Write a python function that checks whether two given strings have the same number of vowels.
- 4) Write a recursive function that checks whether a given string is palindrome.
- 5) Write a recursive function that computes  $x^n$ .
- 6) Write a function to compute the number of digits composing a given number.
- 7) Write a function to compute the sum of digits composing a given number.