

## Python function exercises

1. find the Min of 10 random numbers numbers.
2. to sum all the numbers in a list (the list is an argument to the function).
3. to multiply all the numbers in a list (the list is an argument)
4. calculate the factorial of a number (recursive)
5. calculate the factorial of a number (non-recursive)
6. check whether a string is palindrome or not.
7. check whether a number is part of a list of numbers.
8. return the elements that are not shared among two lists.
9. return the names of the local and global variables used in a function.
10. return a list of unique elements of list given as argument
11. check whether a number is prime
12. check whether a number is perfect or not.
13. write out pascal's triangle.
14. print out the first ten Catalan numbers.
15. print out the series that calculates  $e$