

## PYTHON FUNCTIONS CHALLENGE

1. Use Jupyter Notebook
2. Each Function Require 2 Blocks
  - a. Block 1: Logical Flow of the Code
  - b. Block 2: Code

## PYTHON FUNCTIONS TEST:

1. Write a Python function to find the Max of three numbers.
2. Write a Python function to sum all the numbers in a list.
3. Write a Python function to multiply all the numbers in a list.
4. Write a Python function to calculate the factorial of a number (a non-negative integer). The function accepts the number as an argument
5. Write a Python function to check whether a number is in a given range
6. Write a Python function that accepts a string and calculate the number of upper case letters and lower-case letters.
7. Write a Python function that takes a list and returns a new list with unique elements of the first list.
8. Write a Python function that takes a number as a parameter and check the number is prime or not.
9. Write a Python program to print the even numbers from a given list.
10. Write a Python function to check whether a number is perfect or not.
11. Write a Python function that checks whether a passed string is palindrome or not.
12. Write a Python function that prints out the first n rows of Pascal's triangle.
13. Write a Python function to check whether a string is a pangram or not.
14. Write a Python program that accepts a hyphen-separated sequence of words as input and prints the words in a hyphen-separated sequence after sorting them alphabetically.
15. Write a Python function to create and print a list where the values are Square of numbers between 1 and 30