**Content**

1. Functions Exercise (file name: Python\_Fucntions\*.ipynb):
   1. Functions w/o input parameters
   2. Functions w/ an input parameter
   3. Functions w/ positional arguments
   4. Functions w/ keyword arguments
   5. Overwrite keyword arguments
   6. Functions w/ default values
   7. Functions w/ arbitrary arguments
   8. Functions w/ arbitrary keyword arguments
   9. Call functions inside a function
   10. Call functions w/ positional or keyword arguments
2. Functions Exercise (file name: Python\_Fucntions\_I\*.ipynb):
   1. Generate even numbers
   2. Find the largest and smallest values
   3. Multiply all the numbers in a list
   4. Check uppercase and lowercase quantity
   5. Find unique elements in a list
   6. Roman numerical numbers
   7. Sort a string
   8. Addition and subtraction
   9. Mean Squared Error
   10. Standardize
3. Conditional Statements & Loops (file name: Python\_ConditionalStatementsLoops\_I\*.ipynb):
   1. Generate even numbers
   2. 2 lists addition
   3. Show students info
   4. Squared odd numbers
   5. Checking keywords
   6. Separate numbers
   7. Multiples of 2
   8. Summation
   9. Total revenues of a beverage store
   10. Shipping fee
4. Functions Exercise (file name: Python\_Fucntions\_II\*.ipynb):
   1. Lambda function - printing a message
   2. Lambda function - addition
   3. Lambda function - call a lambda function in another function
   4. Check data type
   5. Hours converter
   6. Fruits
   7. Summation
   8. Personal info
   9. Math operation
   10. Find common letters
5. Functions Exercise (file name: Python\_Fucntions\_III\*.ipynb):
   1. Math operation
   2. Check nums
   3. Find the maximum value
   4. Check multiples of 10
   5. Vowels and consonants
   6. Factorial
   7. Uppercase
   8. The area of a circle
   9. Check substring
   10. Username & password generators
6. Functions Exercise (file name: Python\_Fucntions\_IV\*.ipynb):
   1. Square numbers
   2. Find common elements
   3. Find unique values
   4. Show elements in a list by indexing
   5. Addition, max, min
   6. Show colors
   7. Remove duplicates from a dictionary
   8. Multiply values in a dictionary
   9. Sum values from a dictionary
   10. Combine 2 dictionaries and add the values for common keys
7. Functions Exercise (file name: Python\_Fucntions\_V\*.ipynb):
   1. Sum and print
   2. Print the even index letters from a string
   3. Remove the first n letters from a string
   4. Check if the first and the last elements are the same
   5. Check occurrences of a substring
   6. Create a new list
   7. Print the digits in a reversed order of a number
   8. Multiply elements in 2 lists
   9. Planets information
   10. Square
8. Functions Exercise (file name: Python\_Fucntions\_VI\*.ipynb):
   1. Comparison
   2. Math operation
   3. People, cars, trucks
   4. While loop
   5. Fibonacci series
   6. Remove an element
   7. Personal info
   8. Color codes
   9. Skills info
   10. Translation and cost
9. Data Structure Exercise (file name: Python\_DataStructure.ipynb):
   1. Fibonacci series
   2. Prime numbers
   3. Remove elements
   4. Personal info
   5. Personal info (update a dictionary)
   6. Color codes
   7. Tuple
   8. Set
   9. Sort and slice a list
   10. Nested dictionary
10. Conditional Statements & Loops (file name: Python\_ConditionalStatementsLoops.ipynb):
    1. Checking datatype
    2. Checking odd/even numbers
    3. Check grade
    4. Print integers in reversed order
    5. Multiplication table
    6. Print current number
    7. Fruits
    8. Palindrome
    9. Generate multiples of 5
    10. Common letters & ticket price