

## Assignment-10(Function)

- 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.  
*Sample List : (8, 2, 3, 0, 7)*  
*Expected Output : 20*
- 3> Write a Python function to multiply all the numbers in a list.  
*Sample List : (8, 2, 3, -1, 7)*  
*Expected Output : -336*
- 4> Write a Python program to reverse a string.  
*Sample String : "1234abcd"*  
*Expected Output : "dcba4321"*
- 5> Write a Python function to calculate the factorial of a number (a non-negative integer). The function accepts the number as an argument.
- 6> Write a Python function to check whether a number falls in a given range.
- 7> Write a Python function that accepts a string and calculate the number of upper case letters and lower case letters.  
*Sample String : 'The quick Brown Fox'*  
*Expected Output :*  
No. of Upper case characters : 3  
No. of Lower case Characters : 12
- 8> Write a Python function that takes a list and returns a new list with unique elements of the first list.  
*Sample List : [1,2,3,3,3,3,4,5]*  
*Unique List : [1, 2, 3, 4, 5]*
- 9> Write a Python function that takes a number as a parameter and check the number is prime or not.
- 10> Write a Python program to print the even numbers from a given list.  
*Sample List : [1, 2, 3, 4, 5, 6, 7, 8, 9]*  
*Expected Result : [2, 4, 6, 8]*
- 11> Write a Python program to access a function inside a function.
- 12> Write a Python program to detect the number of local variables declared in a function.  
*Sample Output:*  
3