**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 Brow 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