

**Subject Name: Advance 'C' Programming**  
**Assignment: 3 : User-Defined Function**

**Given Date : 24/01/2020**

**Submission Date:**

1. C program to find **SUM and AVERAGE of two integer Numbers** using **User Define Functions**.
2. WAP to find factorial of given number using UDF.
3. WAP to find the SUM of digits of given number using UDF (for example n=456 then result= 15.)
4. WAP to find the REVERSE of given number using UDF (for example n=456 then result= 654)
5. C program to find Sum of all Array Elements by passing array as an argument using User Define Functions (Note: array as function argument)
6. WAP to find largest element from array using UDF. (Note: array as function argument)
7. WAP to find smallest element from array using UDF. (Note: array as function argument)
8. WAP to find particular element from array using UDF. (Note: array as function argument)
9. C program to find Length of the String by passing String/ Character Array as an Argument using User Define Functions. (array as function argument)
10. C program to find Total Amount of purchased Items by Passing Structure as an Argument using User Define Functions.

```
struct Item
{
    char itemName[30];
    int quantity;
    float price, totalAmount;
};
```

Note: totalAmount = price \* quantity

11. WAP to compare two string using UDF. (Note: array as function argument)
12. WAP to count total alphabets, digits and special character from array USING UDF. (Note: array as function argument)