Tutorial-4
EEN-103

1. Write a function that receives two numbers as an argument and display all prime numbers between these two numbers. Call this function from main( ).

2. Write a program using function to compute your CGPA and finally print it in the main function (use the following equivalence between grades and points: $A^+ \equiv 10$, $A \equiv 9$, $B^+ \equiv 8$, $B \equiv 7$, $C^+ \equiv 6$, $C \equiv 5$, $D \equiv 4$ and $F \equiv 0$).

3. Write a program that lets the user perform arithmetic operations on two numbers. Your program must be menu driven, allowing the user to select the operation $(+, -, *, /)$ and input the numbers. Furthermore, your program must consist of following functions:

   1. Function showChoice: This function shows the options to the user and explains how to enter data.

   2. Function add: This function accepts two number as arguments and returns sum.

   3. Function subtract: This function accepts two number as arguments and returns their difference.

   4. Function mulitiply: This function accepts two number as arguments and returns product.

   5. Function divide: This function accepts two number as arguments and returns quotient.

4. Write two overloaded versions of a function 'Addition' – one that takes two int parameters and returns the sum, and the other that takes two float parameters and returns the float sum. Write main to test these functions.

5. Use recursive function to print the multiples of a number to be entered by the user. Can you overload it? If so, justify your answer with the same problem.

6. Write a C++ code to print all alphabets in uppercase with one tab space between them using recursive function.