ICP Lab Assignment 5 (B)

Q1. Write a program that prints out, in the given numerical range, all values divisible by a given input value. This program requires three inputs. First, the user enters a start and an end value (integer), where (end > start). Then, third, the user enters the divisor (integer). If, in the range [start, end], an integer value your program must print out only those values perfectly divisible by the divisor. Perform using do-while statement.

Q2. Write a program to compute the value of the euler's number e that is used as the base of natural algorithm. Use the following formula.

$e = 1 + 1/1! + 1/2! + 1/3! +.... + 1/n!$

Use a suitable loop construction. The loop must terminate when the difference between two successive values of e is less than 0.00001.

Array

Q1. Take an array as an input from user of size n and then print the sum of the all element of the array.

Q2. Write a C program to reverse the elements of the array.

Q3. Write a C program to reverse the elements of the array without taking another array.