# TON DUC THANG UNIVERSITY
## Faculty of Information Technology

## Exercises for Lab 3

1.  Write a C program to enter a number N and calculate sum of all natural numbers between 1 and N. Validate input. If the input is invalid, please ask users to enter it again.
2.  Write a C function to swap the first and last digits of any number.
3.  A perfect number is a number which equals to the sum of its proper divisors. Please write a C function to check if a number is perfect or not.
4.  A number is palindrome if it equals to its reverse. Please write a function to determine if a number is palindrome or not.
5.  Write a C program to enter 2 positive numbers. Then, write a function to find out their greatest common divisor. Validate input. If the input is invalid, please ask users to enter it again.