#### Assessment: 1 (Lab 6) Semester: Fall 2024

#### Subject: CS-102L Programming Fundamentals Section: 2024-SE

#### Total Time: 60 Minutes

#### Task 1: CLO 1

Write a program that calculates the Greatest Common Divisor (GCD) of two positive integers. The GCD of two integers is the largest positive integer that divides both numbers without leaving a remainder.

#### Example:

* Input: 54, 24
* Output: GCD of 54 and 24 is 6

#### Task 2: CLO1

Write a program that calculates the Least Common Multiple (LCM) of two positive integers. The LCM of two numbers is the smallest positive integer that is divisible by both numbers.

LCM(a,b)= (a×b)/GCD(a,b)

#### Example:

* Input: 15, 20
* Output: LCM of 15 and 20 is 60

#### Task 3: CLO1, CLO4

Write a program which takes positive number as input then you have to find the length of number, sum of digits, largest digit, smallest digit.

#### Sample Input:

Enter the five digits Number: 4827

#### Sample Output:

Length of Number: 4

Sum of Number: 21

Max Digit: 8

Min Digit: 2