

## Department of Computer Science and Engineering

### Introduction to Artificial Intelligence and Machine Learning

(CSN12601)

### Lab Assignment – 3

S.NO.	Questions
1.	Write a python program to find largest of three numbers (with and without nested Ternary operator).
2.	Write a Python program to compute the GCD of two numbers.
3.	Write a python program to that accepts length of three sides of a triangle as inputs. The program should indicate whether or not the triangle is a right-angled triangle (use Pythagorean Theorem).
4.	Write a program to print first 10 elements of a Fibonacci series.
5.	Write a program to compute LCM of a number.
6.	Write a program to create a multiplication Table.
7.	Write a program to remove punctuations from a string.
8.	Write a program to print number of vowels present in a string.
9.	Write a Python program to compute the number of characters, words and lines a given paragraph.

\*\* Conditon for being “Right angled triangle:

Sides: a, b, c(c being largest side)

If( $a^2 + b^2 == c^2$ ) then **“right angled triangle”**

**\*\*  $LCM(a, b) = (|a * b|) / gcd(a,b)$**