

# CS6109 - COMPILER DESIGN – LAB

Week 14 – 13.12.2022

## (Observations)

1. Write a Lex and yacc program to convert the given TAC to assembly language with fixed number of registers.

Input		Output
Expression	TAC	
$(a - b) + c * (d / e)$	t1 = a - b t2 = d / e t3 = c * t2 t4 = t1 + t3	LD R0, c LD R1, d DIV R1, R1, e MUL R0, R0, R1 LD R1, a SUB R1, R1, b ADD R1, R1, R0