

# CS 358 Compiler Techniques Lab

## Assignment 5

Maximum Marks: 40

Start Date: 12.03.2024 02:30 pm

Submission Deadline: 18.03.2024 11:59 pm

### Instructions:

1. This assignment must be done individually.
2. *For late submissions, 10% is deducted for each hour late after an assignment is due.*
3. You need to submit your code and document in Google Classroom.
4. You should submit only one zip file containing your code and document (ReadMe). You should name your file as your RollNumbers\_GroupID.zip.

**Question 1 [Marks: 20]:** Write a LEX - YACC code to recognize a string of the form, any number of As followed by any number of Bs (e.g., AA....ABB...B).

**Question 2 [Marks: 20]:** Write a LEX - YACC program to recognize a valid arithmetic expression and identify the operands and operators present. (For example in a+b, total operands = 2, operator=1).