

Date: 01/02/2024

Indian Institute of Technology Patna
CS352: PPL and Compiler Lab

Assignment Questions

Time: 3 - 6PM

Question 1: Implement a simple calculator to evaluate valid arithmetic expressions using Lex and Yacc. The calculator should be able to handle +, -, *, and /, including brackets.

Example:

Input: 2+(3-4)

Output: 1

Question 2: Implement a program to convert infix expressions to postfix using Lex and Yacc. The program should also verify the infix expression while translating and display an error message for incorrect expression.

Example:

Input: 2+3

Output: 23+

Input: 3+4(

Output: 34+ syntax error