CSL302: Compiler Design

Lab-10 (Intermediate Code Generation)

Due Date: 7-November-2025

Instructions:
1. Prepare a zip file and upload your solutions on canvas
2. Include a readme file

Three Address Code Generation

Extend the Lab-8 and 9 Assignments to generate three address codes for the following:

1. Use backpatch technique to generate three address codes for the following statements/expressions under the short circuit evaluation.
    a. Boolean
    b. if-then
    c. if-then-else
    d. While loop

2. Generate three-address codes for the function invocation. You can use the following syntax.
    id(argument_list);
    argument_list can be zero or more expressions separated by commas.