

CSL302: Compiler Design

Lab-1: Practice Problems

Due Date: 1-Aug-2025

Instructions:

1. Prepare your submission in a zip file.
2. Include a ReadMe file, which should contain the instructions to run your program.
3. Lab practice problems are to be solved individually.

Question-1:

Assume that you have a programming language that has the following features:

Identifiers:

1. It starts with an underscore and ends with any digit
2. There is no restriction on the length of the identifier
3. The middle characters can contain only lower alphabets

Keywords:

1. foreach
2. echo
3. read

Write a C program that takes an input file, which contains a set of characters, and produces the list of all the identifiers and keywords contained in the given file.