

COMSC 440 Language Translation and Compiler Design

Spring 2020

Project 1: Scanner of TINY Compiler

Part B

Due Date: Friday, **Feb. 28th** before class

1. Modify the TINY compiler program to show the listing output (use Figure 2.12 on p79 as a reference) for the *project1.tny* program created in Project 1.
2. Rewrite the scanner for TINY to use *binary search* in the lookup of reserved words (replace the linear search in original program). Put comments in the modified code.
3. Use the modified TINY compiler to show the listing output by calling the binary search to look up for the reserved words.
4. Submit your modified TINY compiler package after compressed to the bridges under assignments -> project1-B.