**LAB 2**

**98485 – ICS 4B**

The input code was:

A picture containing text

Description automatically generated

The output was:

Text

Description automatically generated

The scanner identifies tokens from our sample code based on the rules defined in our program (Lexical.cpp) file. Once the file containing our code is read, the program starts classifying various tokens.

Eg:

1. From our code we can see that all predefined and reserved words like int, if and else are named as keywords. This is because they are reserved words used in the C++ language.
2. We have identifiers from our sample code like minimum, a and b, this are words that I defined using my own labels. For instance, minimum is a function that accepts two integers and returns to us the smallest number between a and b.
3. We then have operators which are used to perform pre-defined operations on variables and values. For instance, the < is an operator that means less than.