Lab 2 – Extend Lexical Analyzer

Starting with the lexical analysis code demonstrated in class today, extend the code so it can do the following in addition to its current capabilities:

1. It can recognize numbers with more than a single digit
2. It can recognize identifiers with multiple characters starting with an alphabetic character and allowing multiple alphanumeric characters following
3. It can recognize the 6 basic relational operators (<=, <, etc.) and assignment (=)
4. [optional] If time permits, write code to recognize floating point numbers