Lab 4 - Extend Parser

Extend parser for expression language (SINE) Add **if** and ***while*** statements. Design your own syntax (So you have to design and specify the grammar). You do not have to follow the syntax in a specific language like Java or Python. This means also extending the lexer to recognize keywords keywords needed for your added grammar.

Write a couple of short test programs to show that the extended parser recognizes the syntax. Use similar methods of showing this by printing which 'productions' are expanded.